



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 176925

TO: James Schultz
Location: 2d18 / 2c18
Art Unit: 1635 *nl*
Monday, January 30, 2006

Case Serial Number: 09/227881

From: Noble Jarrell
Location: Biotech-Chem Library
Rem 1B71
Phone: 272-2556

Noble.jarrell@uspto.gov

Search Notes

STIC-Biotech/ChemLib

176925

From: Schultz, James
Sent: Wednesday, January 18, 2006 3:12 PM
To: STIC-Biotech/ChemLib
Subject: Seq Search 09/227,881

Hello,

Could you please run a score over length sequence search on SEQ ID NO:34 (5271 nt long), which returns hits between 50 and 500 nt long? I need only those hits that are 100% complementary. Please run the search in the interference databases as well.

Also, could you run a standard nucleotide sequence search on the full length of SEQ ID NO: 34, ONLY in the interference databases?

Thanks,
Doug Schultz

James Douglas Schultz, PhD
Primary Examiner
AU 1635 (Biotechnology)
United States Patent and Trademark Office
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Searcher: ndle
Searcher Phone: _____
Date Searcher Picked up: 1/18/06
Date completed: _____
Searcher Prep Time: 45
Online Time: 10

Type of Search
NA# 11 AA# 1
S/L: ✓ Oligomer: ✓
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: CompuGen
WWW/Internet: _____
Other (Specify): gcg

Db	301	GAGAGCAAAATATGATGAAAAATAAATTAACCTTTTCCCTTTGTTTAAATTCAGAAAAAATG	360
Qy	361	ATGAGAACCAAAATCAAAATTAAGAAACAGGCTCAGAAAAAGATGTTCCAAATTTG	420
Db	361	ATGAGAACCAAAATCAAAATTAAGAAACAGGCTCAGAAAAAGATGTTCCAAATTTG	420
Qy	421	TAAATTAATATTTGTTCTCTGGGAAAGAGACTCATGTGAGCTGATGGAAAAATGGAA	480
Db	421	TAAATTAATATTTGTTCTCTGGGAAAGAGACTCATGTGAGCTGATGGAAAAATGGAA	480
Qy	481	AAAGCTCAAAAGCATGATCTGATCAGATCCCAAAGTGATTTATTTTAAAAACCAT	540
Db	481	AAAGCTCAAAAGCATGATCTGATCAGATCCCAAAGTGATTTATTTTAAAAACCAT	540
Qy	541	GGCATCACTCTGGGAGGCAAGTTCAAGAAAGTCAATGTACCAAGGACATAAACAATAC	600
Db	541	GGCATCACTCTGGGAGGCAAGTTCAAGAAAGTCAATGTACCAAGGACATAAACAATAC	600
Qy	601	AGCAAAATCAAAATTCGCGCAATGACAGGAGAAAAATGGGAACTGGGAAAGCTTCATAC	660
Db	601	AGCAAAATCAAAATTCGCGCAATGACAGGAGAAAAATGGGAACTGGGAAAGCTTCATAC	660
Qy	661	AGTGAATAGGCAAGTTGACCATGTTGCAACACTTCCCGCTATACAGGGAACAATAA	720
Db	661	AGTGAATAGGCAAGTTGACCATGTTGCAACACTTCCCGCTATACAGGGAACAATAA	720
Qy	721	ATTGACTGGGCTAAGCTTGACATTTTCAAGGAAATATTAATAAATCTGAGAGAAACAAA	780
Db	721	ATTGACTGGGCTAAGCTTGACATTTTCAAGGAAATATTAATAAATCTGAGAGAAACAAA	780
Qy	781	GACATGTTAAAAAGGCAACAGAACATGTGAGCTTCAAAAGCAGAGTCCCTCAGCA	840
Db	781	GACATGTTAAAAAGGCAACAGAACATGTGAGCTTCAAAAGCAGAGTCCCTCAGCA	840
Qy	841	GGGACCTGAGGCAATTTGCTTTAGGAAGGCCAGTTTCTTAAGAAATCTTAAGAAATC	900
Db	841	GGGACCTGAGGCAATTTGCTTTAGGAAGGCCAGTTTCTTAAGAAATCTTAAGAAATC	900
Qy	901	TTGAAAGATCATGAATTTTAAACATTTTAAATTAAGTAAACAAATATGCAATCATACAG	960
Db	901	TTGAAAGATCATGAATTTTAAACATTTTAAATTAAGTAAACAAATATGCAATCATACAG	960
Qy	961	TTTACACATGGGTCCCAATTTTAAATTAAGTAAAGTCAAGGATCAAGGATPACGTGCCAGCTCC	1020
Db	961	TTTACACATGGGTCCCAATTTTAAATTAAGTAAAGTCAAGGATCAAGGATPACGTGCCAGCTCC	1020
Qy	1021	GGATAGTTCAGAAATCATTTAGAAATCACTGTGTCCCATCTTAACTTTTCAAGATGATC	1080
Db	1021	GGATAGTTCAGAAATCATTTAGAAATCACTGTGTCCCATCTTAACTTTTCAAGATGATC	1080
Qy	1081	TGTCAATAGGCTTCAACACAGAGGCCGAGATGTGTCTTAACCTAACAACATCTTAACAACCA	1140
Db	1081	TGTCAATAGGCTTCAACACAGAGGCCGAGATGTGTCTTAACCTAACAACATCTTAACAACCA	1140
Qy	1141	GTGGCTCAACCAATTTGTTAAGTCAAGTCACTCAAGTAGTCCCATTAACAATGCAACTCCCC	1200
Db	1141	GTGGCTCAACCAATTTGTTAAGTCAAGTCACTCAAGTAGTCCCATTAACAATGCAACTCCCC	1200
Qy	1201	TGTGAGGCCATCCGCTTCAACAGAAAGTCTTCCCATCTTGAATCTTGATCAAGATG	1260
Db	1201	TGTGAGGCCATCCGCTTCAACAGAAAGTCTTCCCATCTTGAATCTTGATCAAGATG	1260
Qy	1261	TACAGCCAGAACTCCGTGAGGATGAGGATCTGTGTCTTAACAACCTAAGTATGCTTAC	1320
Db	1261	TACAGCCAGAACTCCGTGAGGATGAGGATCTGTGTCTTAACAACCTAAGTATGCTTAC	1320
Qy	1321	ACCTAGAGCTCACTGCAACCTGCTGCCCTCCAGGTTCAAGCAATTCCTCTGTCTCAGCTCC	1380
Db	1321	ACCTAGAGCTCACTGCAACCTGCTGCCCTCCAGGTTCAAGCAATTCCTCTGTCTCAGCTCC	1380
Qy	1381	CGCGTAGCTGGAGCTACAGAGCGCAAGCCGCGCTAAATTTTGTATTTAGTAGAGATGGG	1440

Db	1381	CGCGTACTGGGACCTAAGGCGGACACGCCGGGCTAAATTTTGTATGTTAGTAGAGATGGG	1440
Qy	1441	GTTTCACCATTAATGACCCCGGCTGGTCTTGAATCTCTGACCTCAGGTGATATCCACCCACTTC	1500
Db	1441	GTTTCACCATTAATGACCCCGGCTGGTCTTGAATCTCTGACCTCAGGTGATATCCACCCACTTC	1500
Qy	1501	AGCCTCCTAAAGTGTGGGATTTACAGGCACGAGCTCACCGGCCCCGGCCAAAGGGGTCAAGTGT	1560
Db	1501	AGCCTCCTAAAGTGTGGGATTTACAGGCACGAGCTCACCGGCCCCGGCCAAAGGGGTCAAGTGT	1560
Qy	1561	TTAATAAGAAATACCTGGANGTGTTTCTAAACCAACAGGAGAAACAGACAAAGCTGTGA	1620
Db	1561	TTAATAAGAAATACCTGGANGTGTTTCTAAACCAACAGGAGAAACAGAAAGCTGTGA	1620
Qy	1621	TAATTTACGGAGATCTTGGGANTGGGGAATGATGTCATAGCTGTGCTGACTAGTCCAGAC	1680
Db	1621	TAATTTACGGAGATCTTGGGANTGGGGAATGATGTCATAGCTGTGCTGACTAGTCCAGAC	1680
Qy	1681	CACGTGTCTCATCATTTTCTTCCCTCATCTCTCATTTTCAGGCTTAAGTTACATTTTATTT	1740
Db	1681	CACGTGTCTCATCATTTTCTTCCCTCATCTCTCATTTTCAGGCTTAAGTTACATTTTATTT	1740
Qy	1741	CACCATGCTTTGTGGTAGAGCTTCCACATGTTTCTGAATTAAGATATCATTAACCTAG	1800
Db	1741	CACCATGCTTTGTGGTAGAGCTTCCACATGTTTCTGAATTAAGATATCATTAACCTAG	1800
Qy	1801	TTCCATTTGGGGCCCATCTGTGTGTGTGTATAGGGGAGAGGGCATACCCAGAGACTCTT	1860
Db	1801	TTCCATTTGGGGCCCATCTGTGTGTGTGTATAGGGGAGAGGGCATACCCAGAGACTCTT	1860
Qy	1861	TGAAGCCCCCGGCGAGAGGTTTCTCTCCAGCTGGGGGAGCCCTGCAAGCACCCGGGGTCC	1920
Db	1861	TGAAGCCCCCGGCGAGAGGTTTCTCTCCAGCTGGGGGAGCCCTGCAAGCACCCGGGGTCC	1920
Qy	1921	TGGGTGTCTGAGAACCTGCGACGCCGTGCTCACTGTTGTTTGTATCACTCTTAGG	1980
Db	1921	TGGGTGTCTGAGAACCTGCGACGCCGTGCTCACTGTTGTTTGTATCACTCTTAGG	1980
Qy	1981	GACCTGTGTCTTCTATTTCTGTGTGTGACTCGTTTCATTCACGAGCATTCATGACAAATT	2040
Db	1981	GACCTGTGTCTTCTATTTCTGTGTGTGACTCGTTTCATTCACGAGCATTCATGACAAATT	2040
Qy	2041	TATTTAGTACTTATATCTGCCACACACGAGACAAATGTGTAGCAAAAGCACTGC	2100
Db	2041	TATTTAGTACTTATATCTGCCACACACGAGACAAATGTGTAGCAAAAGCACTGC	2100
Qy	2101	CTTACCTTCTGGAGAGTGAACAGTTTCTCATGGAAGAGTGCAGAGAAATTAATAACCA	2160
Db	2101	CTTACCTTCTGGAGAGTGAACAGTTTCTCATGGAAGAGTGCAGAGAAATTAATAACCA	2160
Qy	2161	GCCAACTTTAAACCCAGTGTGTAAGAAAGAAATTAACACCATCTTGAAGATTTGTGCGC	2220
Db	2161	GCCAACTTTAAACCCAGTGTGTAAGAAAGAAATTAACACCATCTTGAAGATTTGTGCGC	2220
Qy	2221	AGCATTCCTTTAACAGGCGACCTCCCTTAGAGGCCCTCTGCTGCTTCATTCGTGCCGAGG	2280
Db	2221	AGCATTCCTTTAACAGGCGACCTCCCTTAGAGGCCCTCTGCTGCTTCATTCGTGCCGAGG	2280
Qy	2281	CCCCCAAGCCCGAATCTTCCAAAGCTCTCTCTCATCATGTCACAGCGTGCAGCTTGAGCTT	2340
Db	2281	CCCCCAAGCCCGAATCTTCCAAAGCTCTCTCTCATCATGTCACAGCGTGCAGCTTGAGCTT	2340
Qy	2341	GCTGTGCTTCCCGTGAATCTGCTCTGATGTCATCTGAGCTGAGACCTCTTGGCTCCAGGCT	2400
Db	2341	GCTGTGCTTCCCGTGAATCTGCTCTGATGTCATCTGAGCTGAGACCTCTTGGCTCCAGGCT	2400
Qy	2401	CCAGAAAGAAATGAGAGGGAATCTAGTCTTAACGAGAAATCTGAGGGGACAGTGTTC	2460
Db	2401	CCAGAAAGAAATGAGAGGGAATCTAGTCTTAACGAGAAATCTGAGGGGACAGTGTTC	2460
Qy	2461	CTCAGAGGAAAGGGGCTCCAGTTCACAGAGAAATTCAGAGGTGGGGACTGACGGAG	2520
Db	2461	CTCAGAGGAAAGGGGCTCCAGTTCACAGAGAAATTCAGAGGTGGGGACTGACGGAG	2520

QY 2521 TGGGACGCTGGGGCTGAGCGGGTGTGTAAGGCGAGGAAAGTGAAAGGGCAAGCTGAA 2580
Db 2521 TGGGACGCTGGGGCTGAGCGGGTGTGTAAGGCGAGGAAAGTGAAAGGGCAAGCTGAA 2580
QY 2581 GCTGCCAGAGTTGAGTGTGTTGACGCGGGGCTGGGAGTTTCCGTTGCTTCTGTAGC 2640
Db 2581 GCTGCCAGAGTTGAGTGTGTTGACGCGGGGCTGGGAGTTTCCGTTGCTTCTGTAGC 2640
QY 2641 CTTTATCTTCTCTGCTGAGAGAGAGAGTCTATTTCTATGAGAGGATGACAGTTTC 2700
Db 2641 CTTTATCTTCTCTGCTGAGAGAGAGAGTCTATTTCTATGAGAGGATGACAGTTTC 2700
QY 2701 ATTAAGTCACTGTTAAATTCAGGGGTGTGATGGGTTTCTTCAAGAGGCTTTAT 2760
Db 2701 ATTAAGTCACTGTTAAATTCAGGGGTGTGATGGGTTTCTTCAAGAGGCTTTAT 2760
QY 2761 TTAATGGGAATATAGGAAGCGAGCTATTTCTAGGCGGTTAAATCAAGGAAGATGAC 2820
Db 2761 TTAATGGGAATATAGGAAGCGAGCTATTTCTAGGCGGTTAAATCAAGGAAGATGAC 2820
QY 2821 TGAAGTCTTCTTCTATGCTCTTCTGAGCACTACTAGCCCTGTGTGTGACTTGGCTTA 2880
Db 2821 TGAAGTCTTCTTCTATGCTCTTCTGAGCACTACTAGCCCTGTGTGTGACTTGGCTTA 2880
QY 2881 TGCAGACGCTGAAAACCTTGAATCAGAGAGCTGAGTTTCTTCTGTGTGCTGCAAT 2940
Db 2881 TGCAGACGCTGAAAACCTTGAATCAGAGAGCTGAGTTTCTTCTGTGTGCTGCAAT 2940
QY 2941 GGTGGCTGTGGAACGCTGGGCAAGTGTCTCTCCCTGGGCAATAGTCTTCTGTGT 3000
Db 2941 GGTGGCTGTGGAACGCTGGGCAAGTGTCTCTCCCTGGGCAATAGTCTTCTGTGT 3000
QY 3001 ATTAAGACCTTGTGAGCTCTGCTGTCTGTGAACCTTCCCTGTGATTTCTGTGAGGG 3060
Db 3001 ATTAAGACCTTGTGAGCTCTGCTGTCTGTGAACCTTCCCTGTGATTTCTGTGAGGG 3060
QY 3061 GGATGTTGAGAGGGAGAGAGGAGAGCTGAGAGCTGAGAGCTGAGAGAGGGAGTGAAGG 3120
Db 3061 GGATGTTGAGAGGGAGAGAGGAGAGAGCTGAGAGCTGAGAGCTGAGAGAGGGAGTGAAGG 3120
QY 3121 GGAACGAGAGGAGAGAGAGAGAGTGGGTGTCTCATGATCTCTCATGATCTCATGATCTC 3180
Db 3121 GGAACGAGAGGAGAGAGAGAGAGTGGGTGTCTCATGATCTCTCATGATCTCATGATCTC 3180
QY 3181 CAGGACGAGAGAGCAATGCTTCTGAGAAAGCTCATGAAACCAACAGCAATTTCT 3240
Db 3181 CAGGACGAGAGAGCAATGCTTCTGAGAAAGCTCATGAAACCAACAGCAATTTCT 3240
QY 3241 TCCCTAAGCATAGACATGCAATTTGCCAATTAACCAAAAGATGCAAGCAATTTCT 3300
Db 3241 TCCCTAAGCATAGACATGCAATTTGCCAATTAACCAAAAGATGCAAGCAATTTCT 3300
QY 3301 GGTAGCTTTTGTGCTGCAATTCAAAACCTGGGCAAGAGAGTGAAGTGCAGAGATTTG 3360
Db 3301 GGTAGCTTTTGTGCTGCAATTCAAAACCTGGGCAAGAGAGTGAAGTGCAGAGATTTG 3360
QY 3361 TTAACCTTTTCAACCTGACAGCAACCAACGAGCTCAGAGTGAATGCTGTGACAGAGG 3420
Db 3361 TTAACCTTTTCAACCTGACAGCAACCAACGAGCTCAGAGTGAATGCTGTGACAGAGG 3420
QY 3421 AGTGAAGCTGAG 3480
Db 3421 AGTGAAGCTGAG 3480
QY 3481 ACAATTTATTCAG 3540
Db 3481 ACAATTTATTCAG 3540
QY 3541 GTTCTAG 3600
Db 3541 GTTCTAG 3600

QY 3601 CCTGATTTCTAATATCTATATTTTCTTTTACAGAGTGAATTTGAGCAAGTCAAG 3660
Db 3601 CCTGATTTCTAATATCTATATTTTCTTTTACAGAGTGAATTTGAGCAAGTCAAG 3660
QY 3661 GTAGTACAGAGAGCTGTAAGATTTACTAGTTTCTCTTATTAAGAACTTTTCTGT 3720
Db 3661 GTAGTACAGAGAGCTGTAAGATTTACTAGTTTCTCTTATTAAGAACTTTTCTGT 3720
QY 3721 GAGAGTACAG 3780
Db 3721 GAGAGTACAG 3780
QY 3781 TAAAGCAGAGAGATTCAGAGCTGAGTGTGCTGATATGATTTGTTTGAAGAAAT 3840
Db 3781 TAAAGCAGAGAGATTCAGAGCTGAGTGTGCTGATATGATTTGTTTGAAGAAAT 3840
QY 3841 CATTTACAGAGATTTATCTATGATTCAGAGAAATGAGACTAGTACCCTTTGAGCTG 3900
Db 3841 CATTTACAGAGATTTATCTATGATTCAGAGAAATGAGACTAGTACCCTTTGAGCTG 3900
QY 3901 TAAACAAACACCGAGTTGTAATGTCTCAAGTTCAGGCTTAACAGAGCAATCAAA 3960
Db 3901 TAAACAAACACCGAGTTGTAATGTCTCAAGTTCAGGCTTAACAGAGCAATCAAA 3960
QY 3961 AGATAGATTTCTTGAAGCAACTGTGTTCTTCAATCTGAGAGTGTGCTGAGAGG 4020
Db 3961 AGATAGATTTCTTGAAGCAACTGTGTTCTTCAATCTGAGAGTGTGCTGAGAGG 4020
QY 4021 AGTTGGAATATTTACTTCAAGATATGACAGTGTGTGATTAACAATTAAGT 4080
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QY 4081 TGCTCAAGAGCAATCATTTATTCAGAGTGTGTAAGTACTTCTGACAGTTTGTATAT 4140
Db 4081 TGCTCAAGAGCAATCATTTATTCAGAGTGTGTAAGTACTTCTGACAGTTTGTATAT 4140
QY 4141 TTAATGGCTATTTGCTTTTGTGTTTCTTCTGCTTATTAATGTAAGAGAG 4200
Db 4141 TTAATGGCTATTTGCTTTTGTGTTTCTTCTGCTTATTAATGTAAGAGAG 4200
QY 4201 GGATTTAATTAACCTACAGTCCAGAAAGCTGTGAATTAAGAGAGAGAGAGAGAG 4260
Db 4201 GGATTTAATTAACCTACAGTCCAGAAAGCTGTGAATTAAGAGAGAGAGAGAGAG 4260
QY 4261 TGTGTTTACCACTTCTTATCTTAATTTTAACTTTTCAATTTGAGAGAGAGAGAG 4320
Db 4261 TGTGTTTACCACTTCTTATCTTAATTTTAACTTTTCAATTTGAGAGAGAGAGAG 4320
QY 4321 CTCAAGAGTGAATTAACAGTACCTGTGATTTTGTCAATTAAGAGAGAGAGAGAG 4380
Db 4321 CTCAAGAGTGAATTAACAGTACCTGTGATTTTGTCAATTAAGAGAGAGAGAGAG 4380
QY 4381 TTAATGATTAATTAAGTGTGAGATTAAGTGAAGAGAGAGAGAGAGAGAGAGAG 4440
Db 4381 TTAATGATTAATTAAGTGTGAGATTAAGTGAAGAGAGAGAGAGAGAGAGAGAG 4440
QY 4441 CTTGGAATTAAGAGCTGCTGAGATCTTGTGTTTAAATTAATTAAGAGAGAGAG 4500
Db 4441 CTTGGAATTAAGAGCTGCTGAGATCTTGTGTTTAAATTAATTAAGAGAGAGAG 4500
QY 4501 ATTTGATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 4560
Db 4501 ATTTGATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 4560
QY 4561 ATATATTTGAGAGAGATCTTCTGAGAGAGTCCCAAGATTTCAACATGAGGTTCTGG 4620
Db 4561 ATATATTTGAGAGAGATCTTCTGAGAGAGTCCCAAGATTTCAACATGAGGTTCTGG 4620
QY 4621 CATGACACACAGAGATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 4680
Db 4621 CATGACACACAGAGATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 4680
QY 4681 TGCAGAGCTGAATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 4740

QY 841 GGGACCCCTGAGGCATTTTCCTTTTAGGAAGGCCAGTTTTCTTAAGGAATCTTTAAGAAATCTC 900
DB 841 GGGACCCCTGAGGCATTTTCCTTTTAGGAAGGCCAGTTTTCTTAAGGAATCTTTAAGAAATCTC 900
QY 901 TTGAAAGATCATGAATTTTAAACCAATTTTAAAGTATATAAAACAAATATGCGATGCAATATCAG 960
DB 901 TTGAAAGATCATGAATTTTAAACCAATTTTAAAGTATATAAAACAAATATGCGATGCAATATCAG 960
QY 961 TTTAGACATGGTCCCAATTTTATAAAGTCAGGCATACAAGGATAACGTGTCACAGCTCC 1020
DB 961 TTTAGACATGGTCCCAATTTTATAAAGTCAGGCATACAAGGATAACGTGTCACAGCTCC 1020
QY 1021 GGATAGTGCAGAAATCATTTAGAAATCACTGTGTCCCACTCTAATCTTTTTCAGAAATGATC 1080
DB 1021 GGATAGTGCAGAAATCATTTAGAAATCACTGTGTCCCACTCTAATCTTTTTCAGAAATGATC 1080
QY 1081 TGTATAGCCCTCACACACAGGCCCGATGTGTCTGACCTACACCAATCTTACAAACCCAA 1140
DB 1081 TGTATAGCCCTCACACACAGGCCCGATGTGTCTGACCTACACCAATCTTACAAACCCAA 1140
QY 1141 GTGCCTCAACATTTTAAACGTGTCTCATCTAGTAGTCCCAATTAACAATGCCACCTCC 1200
DB 1141 GTGCCTCAACATTTTAAACGTGTCTCATCTAGTAGTCCCAATTAACAATGCCACCTCC 1200
QY 1201 TGTGAGCCCATCCCGCTCCACAGGAAGTCTCCCACTCTAGACTTCTGCAATCAGATGT 1260
DB 1201 TGTGAGCCCATCCCGCTCCACAGGAAGTCTCCCACTCTAGACTTCTGCAATCAGATGT 1260
QY 1261 TACAGCAGAAAGTCCCGTAGGGTGAGGGTCTGTCTTACCACTACCTGATGCTCTAC 1320
DB 1261 TACAGCAGAAAGTCCCGTAGGGTGAGGGTCTGTCTTACCACTACCTGATGCTCTAC 1320
QY 1321 ACCTGAGTCACTGCACACTCTGCTCCCAAGTTTCAAGCAATTTCTCTGTCTCAGCCTCC 1380
DB 1321 ACCTGAGTCACTGCACACTCTGCTCCCAAGTTTCAAGCAATTTCTCTGTCTCAGCCTCC 1380
QY 1381 CGCGTAGCTGGGACTACAGGCGCACGCGCGCTAAATTTTGTATTTGTAGTAGAGATGGG 1440
DB 1381 CGCGTAGCTGGGACTACAGGCGCACGCGCGCTAAATTTTGTATTTGTAGTAGAGATGGG 1440
QY 1441 GTTTTCAATATAGCCGCTGTCTTGAATCTCTGAACTCTGACCTCAGGTGATCAACCACTC 1500
DB 1441 GTTTTCAATATAGCCGCTGTCTTGAATCTCTGAACTCTGACCTCAGGTGATCAACCACTC 1500
QY 1501 AGCTCTCAAGTCTGGGATTAAGGATGAGTCAAGGATGAGTCAAGGATGAGTCAAGT 1560
DB 1501 AGCTCTCAAGTCTGGGATTAAGGATGAGTCAAGGATGAGTCAAGGATGAGTCAAGT 1560
QY 1561 TTAATAAGGAATACTTGAATGTTTAACTAAACCAAGGAAACAGACAAAGCTGTGA 1620
DB 1561 TTAATAAGGAATACTTGAATGTTTAACTAAACCAAGGAAACAGACAAAGCTGTGA 1620
QY 1621 TAATTCAGGATTTCTGGGATGGGAAATGTCATGAGTGCCTGCTAGTCCAGAC 1680
DB 1621 TAATTCAGGATTTCTGGGATGGGAAATGTCATGAGTGCCTGCTAGTCCAGAC 1680
QY 1681 CACTGTCCTCATCATCTTCTCTCATCTCATCTTCTCAGGCTAAGTTACCAATTTTAT 1740
DB 1681 CACTGTCCTCATCATCTTCTCTCATCTCATCTTCTCAGGCTAAGTTACCAATTTTAT 1740
QY 1741 CACCATGCTTTTGTGTGTAAGCTCCACATGTTACTGAAATTAAGAGTATACATAAAGCTAG 1800
DB 1741 CACCATGCTTTTGTGTGTAAGCTCCACATGTTACTGAAATTAAGAGTATACATAAAGCTAG 1800
QY 1801 TTCCATTTGGGGCCATCTGTGTGTGTATAGGGAGAGGGGATACCCAGAGACTCCT 1860
DB 1801 TTCCATTTGGGGCCATCTGTGTGTGTATAGGGAGAGGGGATACCCAGAGACTCCT 1860
QY 1861 TGAAGCCCGGAGAGGTTTCTCTCAGCTGGGAGCCCTGCAAGACCCGGGTCC 1920
DB 1861 TGAAGCCCGGAGAGGTTTCTCTCAGCTGGGAGCCCTGCAAGACCCGGGTCC 1920
QY 1921 TGGGTGTCTCAGCAACCTGCGACCCGCTGCCACTGGTGTGTTTGTATCACTCTCTAGG 1980

DB 1921 TGGGTGTCTCAGCAACCTGCGACCCGCTGCCACTGGTGTGTTTGTATCACTCTCTAGG 1980
QY 1981 GACCTGTTGCTTTCTATTTCTGTGTGACTGTGTTCAATTCATCCAGGCATTCATTGACAAAT 2040
DB 1981 GACCTGTTGCTTTCTATTTCTGTGTGACTGTGTTCAATTCATCCAGGCATTCATTGACAAAT 2040
QY 2041 TATTGAGTACTTATCTGCGACACACAGAGACAAATATGTTAGCAAGCAGTCACTGC 2100
DB 2041 TATTGAGTACTTATCTGCGACACACAGAGACAAATATGTTAGCAAGCAGTCACTGC 2100
QY 2101 CCTACCTTCTGAGAGTGAAGTTTCTATGGAAGACGTGCAAGAAATAATTAATAGCCA 2160
DB 2101 CCTACCTTCTGAGAGTGAAGTTTCTATGGAAGACGTGCAAGAAATAATTAATAGCCA 2160
QY 2161 GCCAACTTAAACCCAGTCTGGAAGAGGAATAAACAACCATCTTGAAGAAATTTGTGGC 2220
DB 2161 GCCAACTTAAACCCAGTCTGGAAGAGGAATAAACAACCATCTTGAAGAAATTTGTGGC 2220
QY 2221 AGCATCCCTTAAACAGGCCACCTCCCTAGCGCCCTGCTGCTCCATCGTGCCTCCAGG 2280
DB 2221 AGCATCCCTTAAACAGGCCACCTCCCTAGCGCCCTGCTGCTCCATCGTGCCTCCAGG 2280
QY 2281 CCCCAGCCGAGTCTTCAAGCCTCTCTCCATCAGTCAAGCCTGCGAGTGGCT 2340
DB 2281 CCCCAGCCGAGTCTTCAAGCCTCTCTCCATCAGTCAAGCCTGCGAGTGGCT 2340
QY 2341 GCCTCGTTCCTGTAATCTGTGTGATCTGAGCTGAGACTCCTTGGCTCCAGGCT 2400
DB 2341 GCCTCGTTCCTGTAATCTGTGTGATCTGAGCTGAGACTCCTTGGCTCCAGGCT 2400
QY 2401 CCAGAAAGGAAATGGAGAGGAACTAGTCTTAAACGAGAAATCTGAGGGGACAGTGTTC 2460
DB 2401 CCAGAAAGGAAATGGAGAGGAACTAGTCTTAAACGAGAAATCTGAGGGGACAGTGTTC 2460
QY 2461 CTGAGGGGAAAGGGGCTCCACGTCCAGGAGAAATCCAGGAGGTGGGAGCTGAGGGAG 2520
DB 2461 CTGAGGGGAAAGGGGCTCCACGTCCAGGAGAAATCCAGGAGGTGGGAGCTGAGGGAG 2520
QY 2521 TGGGAGCGTGGGGCTGAGCGGTGCTGAAAGGAGGAGGAGTGAAGGAGGAGGCTGAA 2580
DB 2521 TGGGAGCGTGGGGCTGAGCGGTGCTGAAAGGAGGAGGAGTGAAGGAGGAGGCTGAA 2580
QY 2581 GCTGCCAGATGTTTCAAGTGTGTTTCAAGGGGCTGGGAGTTCCTGTTGCTTCTGTCAGC 2640
DB 2581 GCTGCCAGATGTTTCAAGTGTGTTTCAAGGGGCTGGGAGTTCCTGTTGCTTCTGTCAGC 2640
QY 2641 CTTTTTATCTTTCTCTGCTTGGAGGAGAAAGTCTATTTCAAGAGGAGTGCAGTTC 2700
DB 2641 CTTTTTATCTTTCTCTGCTTGGAGGAGAAAGTCTATTTCAAGAGGAGTGCAGTTC 2700
QY 2701 ATAAAGTCACTGTTTAAATTTCCAGGGTGTGATGGGTTTCTTCTCAGGAGGCTTTAT 2760
DB 2701 ATAAAGTCACTGTTTAAATTTCCAGGGTGTGATGGGTTTCTTCTCAGGAGGCTTTAT 2760
QY 2761 TTAATGGGAATATAGGAAGCGAGCTCAATTTCTTAGCGGCTTAAATTCACGAAGAGTGAC 2820
DB 2761 TTAATGGGAATATAGGAAGCGAGCTCAATTTCTTAGCGGCTTAAATTCACGAAGAGTGAC 2820
QY 2821 TGGAGTCTTTTCTTTCTCATGTCTTCTGGGCAACTACTCAGCCCTGTGTGGACTTGGCTTA 2880
DB 2821 TGGAGTCTTTTCTTTCTCATGTCTTCTGGGCAACTACTCAGCCCTGTGTGGACTTGGCTTA 2880
QY 2881 TGCAGACCGTGCAGAAACCTTGGAAATCAGGAGACTCGGTTTCTTCTGTTCTGCTCCAT 2940
DB 2881 TGCAGACCGTGCAGAAACCTTGGAAATCAGGAGACTCGGTTTCTTCTGTTCTGCTCCAT 2940
QY 2941 GGTGGCTGTGGACCGTGGCAAGTGTCTCTCTTCCCTGGGCCATAGTCTTCTGCT 3000
DB 2941 GGTGGCTGTGGACCGTGGCAAGTGTCTCTCTTCCCTGGGCCATAGTCTTCTGCT 3000
QY 3001 ATAAAGACCTTGCAGCTCTCGTGTCTGTGAACAATTCCTCTGATTTCTCTGTGAGGG 3060

QY 61 TCCTATTAACCTGATAGCCTCCATTCGGATGATGCTTTTGGCAGGATGATAAAGATCA 120
DB 61 TCCTATAAATCTATAGCCTCCATTCGGATGATGCTTTTGGCAGGATGATAAAGATCA 120
QY 121 GGAAGAAGAGATATCCACGTTAGCCAAAGTGTCCAGGCTGTCTGTCTCTTTATTTAGTGA 180
DB 121 GGAAGAAGAGATATCCACGTTAGCCAAAGTGTCCAGGCTGTCTGTCTCTTTATTTAGTGA 180
QY 181 CAGATGTTGCTCTCTGACAGAGCTATTTCTTCAAGGAAACATCATCTCCATATGTTAAATC 240
DB 181 CAGATGTTGCTCTCTGACAGAGCTATTTCTTCAAGGAAACATCATCTCCATATGTTAAATC 240
QY 241 CATCAACAGGAGCTTAAGAAACAGGAATGAGATGAGGCTTCCCAAGGAAATATGCCAG 300
DB 241 CATCAACAGGAGCTTAAGAAACAGGAATGAGATGAGGCTTCCCAAGGAAATATGCCAG 300
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RESULT 5

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US-09-306-828-1
US-09-306-828-1
: Sequence 1, Application US/09306828
: Patent No. 6475724
: GENERAL INFORMATION:
: APPLICANT: Nguyen, Thai D.
: APPLICANT: Polansky, Jon R.
: APPLICANT: Chen, Pu
: APPLICANT: Chen, Hua
: TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis And
: CURRENT APPLICATION NUMBER: US/09/306,828
: CURRENT FILING DATE: 1999-05-07
: EARLIER APPLICATION NUMBER: US 09/227,881
: EARLIER FILING DATE: 1999-01-11
: NUMBER OF SEQ ID NOS: 38
: SOFTWARE: Microsoft Word 97

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Sequence 2, Application US/08938669A
Patent No. 6171788
GENERAL INFORMATION:
APPLICANT: Nguyen, Thai D.
APPLICANT: Polansky, Jon R.
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,
PROGNOSIS AND TREATMENT OF GLAUCOMA AND
RELATED DISEASES
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howrey & Simon
STREET: 1299 Pennsylvania Avenue, N.W.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20004-2402
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
FILING DATE: 28-JAN-1997
APPLICATION NUMBER: 08/791,154
ATTORNEY/AGENT INFORMATION:
NAME: Mendelson, Elliot
REGISTRATION NUMBER: P-42,878
REFERENCE/DOCKET NUMBER: 07425-0034
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 383-6857
TELEFAX: 202 383-6610

[illegible][illegible]

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4980 GTGTAAGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 5035
4980 GTGTAAGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 5039
5036 AGATATAGGAATCTATTATTTGGGATGATGGGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 5095
5040 AGATATAGGAATCTATTATTTGGGATGATGGGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 5099
5096 AACTCAACACAGCTCTGGAAGTTATTTCTAAGAACTCTGCTGCTGCTGCTGCTGCTGCTGCT 5155
5100 AACTCAACACAGCTCTGGAAGTTATTTCTAAGAACTCTGCTGCTGCTGCTGCTGCTGCTGCT 5159
5156 ACCCCCTGTGCACAGCCCCCAGCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 5215
5160 ACCCCCTGTGCACAGCCCCCAGCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 5219
5216 GGCTGGCTCCCAAGTATATATAAACCCTCTCTGAGCTCGGGCATGAGCCAGCAAGG 5271
5220 GGCTGGCTCCCAAGTATATATAAACCCTCTCTGAGCTCGGGCATGAGCCAGCAAGG 5275

RESULT 8

US-09-056-285A-1
; Sequence 1, Application US/09056285A
; Patent No. 6403307
; GENERAL INFORMATION:
; APPLICANT: Stone, Edwin M.
; Sheffield, Val C.
; Alward, Wallace L.M.
; Fingert, John
; TITLE OF INVENTION: GLAUCOMA THERAPEUTICS AND DIAGNOSTICS
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/056,285A
FILING DATE: 07-Apr-1998
ATTORNEY/AGENT INFORMATION:
NAME: Arnold, Beth E.
REGISTRATION NUMBER: 35,430
REFERENCE/DOCKET NUMBER: UIA-010.28
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-832-1000
TELEFAX: 617-832-7000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2800 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-056-285A-1

Query Match 34.2%; Score 1804.4; DB 3; Length 2800;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1838; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

QY 3431 AGCGCAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3490
DB 1 AGCGCAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 59
QY 3491 TCAAGGGCAGTGGGAAATGACACACAGGGGATATAGTCCACGATGATCTGGGTTCTAGGAG 3550
DB 60 TCAAGGGCAGTGGGAAATGACACACAGGGGATATAGTCCACGATGATCTGGGTTCTAGGAG 119
QY 3551 GCAGGGCTATTTGGGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3610
DB 120 GCAGGGCTATTTGGGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 179
QY 3611 AATACATATATTTTCTTTTCAAGCTGAGTAACTCTGAGCAAGTCAAGGAGTAACTG 3670
DB 180 AATACATATATTTTCTTTTCAAGCTGAGTAACTCTGAGCAAGTCAAGGAGTAACTG 239
QY 3671 AGGCTGTAAGATTAATCTAGTTTCTCTTATTAAGAACTCTTTTCTCTGAGGTTAGCA 3730
DB 240 AGGCTGTAAGATTAATCTAGTTTCTCTTATTAAGAACTCTTTTCTCTGAGGTTAGCA 299
QY 3731 GCACAAAGGGCAATCCCGTTCTTTTAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3790
DB 300 GCACAAAGGGCAATCCCGTTCTTTTAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 359
QY 3791 CAGATTCAAGCCTAGGCTCTTGTGCTGATATATGATTGGTTTGTGAAATATCAATTTCAAG 3850
DB 360 CAGATTCAAGCCTAGGCTCTTGTGCTGATATATGATTGGTTTGTGAAATATCAATTTCAAG 419
QY 3851 ATGTTTACTATCTGATTAGAAATGAGACTAGTACCTTTGCTGCTGCTGCTGCTGCTGCTGCT 3910
DB 420 ATGTTTACTATCTGATTAGAAATGAGACTAGTACCTTTGCTGCTGCTGCTGCTGCTGCTGCT 479
QY 3911 CCCAGTTGTAATGCTCAAGTTTCAAGTTTCAAGTTTCAAGTTTCAAGTTTCAAGTTTCAAG 3969
DB 480 CCCAGTTGTAATGCTCAAGTTTCAAGTTTCAAGTTTCAAGTTTCAAGTTTCAAGTTTCAAG 539
QY 3970 TCTTTTAGAGCAAACTGTTTCTTCCACATCTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 4029
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QY 4030 ATATTTACTTCAAGATATGACACTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 4089
DB 599 ATATTTACTTCAAGATATGACACTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 658
QY 4090 GCAATCATTTTCAAGTGGCTTAAAGTTACTTCTGACAGTTTGGTATATTTATTTGCT 4149
DB 659 GCAATCATTTTCAAGTGGCTTAAAGTTACTTCTGACAGTTTGGTATATTTATTTGCT 718
QY 4150 ATTGCCATTTGCTTTTGTGTTTCTCTTTGTTGTTTATTAATGTAAGGAGGAGGATTTATTA 4209

[illegible]

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RESULT 12
US-09-306-828-37
; Sequence 37, Application US/09306828
; Patent No. 6475724
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Pu
; APPLICANT: Chen, Hua
;

```


GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15852
; LENGTH: 205044
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(205044)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15852

Query Match 3.5%; Score 184.6; DB 3; Length 205044;
Best Local Similarity 78.0%; Pred. No. 3.6e-34;
Matches 238; Conservative 0; Mismatches 59; Indels 8; Gaps 1;

Qy 1280 AGGTGAGGGTCTGTGTCTTACACCTACCTGTATGTCTACACCTGAGCTCACTGCAACC 1339
Db 161178 AGAGTCTTGCTCTGTCGCCAGGCTGGAGTGCAGTGCACCATCTCGGCTCACTGCAACC 161119

Qy 1340 TCTGCTCCAGGTTCAAGCAATTCCTGTCTCAGCCTCCCGCTAGCTGGGACTACAG 1399
Db 161118 TCCGCTCCCGGGTTCAAGCAATTCCTCCGCTCTCAGCCTCTGAGTAGCTGGGACTACAG 161059

Qy 1400 GCG-----CAGCGCCGGCTAATTTTGTATTGTAGTAGATGGGGTTTCACCAT 1451
Db 161058 GCGCTGCCACCGCCCGGCTAATTTTGTATTGTAGTAGATGGGGTTTCACCATG 160999

Qy 1452 TTAGCCCGGCTGTCTTGAATCCTGACCTCAGGTGATCCACCCACCTCAGCCTCTTAAA 1511
Db 160998 TTGTGACGGCTGTCTTGAATCCTGACCTCAGGTGATCCACCCACCTCAGCCTCTTAAA 160939

Qy 1512 GTGCTGGGATTACAGGATGAGTCAACCGCGCCCGGCAAGGTCAGTGTATTAAGAA 1571
Db 160938 GTGCTGGGATTACAGGATGAGTCAACCGCTGCTGGCAAGCGTGATTTTAAAGAT 160879

Qy 1572 TAACT 1576
Db 160878 AAAAT 160874

Search completed: January 26, 2006, 04:23:24
Job time : 614 secs

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DB 241 CATCAACAGGAGCTAAGAAACAGGAATGAGATGGGACCTTGCCCAAGGAAAAATGCCAG 300
QY 301 GAGAGCAAAATTAATGATGAAAAATTAACCTTTCCCTTTGTTTTTAAATTTAGGAAAAATG 360
DB 301 GAGAGCAAAATTAATGATGAAAAATTAACCTTTCCCTTTGTTTTTAAATTTAGGAAAAATG 360
QY 361 ATCAGAGCAAAATCAATGAAATGAGGAAAAACAGCTCAGAAAAAGATGTTTCCAAATGG 420
DB 361 ATCAGAGCAAAATCAATGAAATGAGGAAAAACAGCTCAGAAAAAGATGTTTCCAAATGG 420
QY 421 TAAATTAAGTATTTGTTCTTTGGGAAGAGACCTCCATGTGAGCTTGATGGAAAAATGGAA 480
DB 421 TAAATTAAGTATTTGTTCTTTGGGAAGAGACCTCCATGTGAGCTTGATGGAAAAATGGAA 480
QY 481 AAACGTCMAAAGCATGATCTGATCAGATCCCAAAGTGGATTAATTTTAAAAAACAGAT 540
DB 481 AAACGTCMAAAGCATGATCTGATCAGATCCCAAAGTGGATTAATTTTAAAAAACAGAT 540
QY 541 GGCATCACTCTGGGGAGGCAAGTTTCAGAAAGGTCATGTTAGCAAAAGGACATAACAATAAC 600
DB 541 GGCATCACTCTGGGGAGGCAAGTTTCAGAAAGGTCATGTTAGCAAAAGGACATAACAATAAC 600
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DB 601 AGCAAAATCAAAATTCGCAAAATGCGAGAGGAAAAATGGGACCTGGGAAAGCTTTCAATAAC 660
QY 661 AGTGATAGGAGCTGACATGTTGCGCAACACCTCCCGCTATACCGAGGAAACAAAA 720
DB 661 AGTGATAGGAGCTGACATGTTGCGCAACACCTCCCGCTATACCGAGGAAACAAAA 720
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DB 721 ATTGACTGGGCTAAGCCTGACATTTCAAGGAAATATGAAAACTGAGAGCAAAACAAAA 780
QY 781 GACATGGTTAAAGGCAACAGAAACATTTGAGAGCTTTCAAAGCAAGCAGTGCCCTCAGCA 840
DB 781 GACATGGTTAAAGGCAACAGAAACATTTGAGAGCTTTCAAAGCAAGCAGTGCCCTCAGCA 840
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DB 961 TTTAGACATGGGTCCTCAATTTTAAAGTCAGGCGATCAAGAGTAACGTGTCCAGGTCC 1020
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DB 1081 TGTCTAGCCCTCACACAGGCGCGATGTGTCTGACCTACAACACCATCTACAACCCAA 1140
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DB 1861 TGAAGCCCCCGGCGAGAGTTTCTCTCCAGCTGGGGGAGCCCTGCAAGCAACCCGGGGTCC 1920
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DB 1921 TGGGTGTCTGAGCAACCTGCCAGCCCGTGCCACTGTGTTTGTATATCACTCTCTAGG 1980
QY 1981 GACCTGTTGCTTTCTAATTTCTGTGTGACTCGTTTCAATTCAGGCAATTCATTTGACAAAT 2040
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QY 2221 AGCATCCCTTAAACAGGCCACCTCCCTAGCGCCCTGCTGCTCCATCGTGCCCGGAGG 2280
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DB 2281 CCCCCAAGCCCGAGTCTTCCAGCCTCTCTCCATCAGTCAAGGCTGAGGCTGCGCCT 2340
QY 2341 GCCTCGCTTCCCGTGAATCGTCTGTGATCTGAGCTGGAGACTCCTTGGCTCCAGGCT 2400
DB 2341 GCCTCGCTTCCCGTGAATCGTCTGTGATCTGAGCTGGAGACTCCTTGGCTCCAGGCT 2400
QY 2401 CCAGAAAGGAAATGGAGAGGGAATACTGTCTAAGGAGAACTCTGGAGGGGACAGTGTTC 2460

Query Match	100.0.0%;	Score 5271;	DB 5;	Length 6169;
Best Local Similarity	100.0.0%;	Pred. No. 0;		
Matches 5271;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	ATCTTTGTTTCAGTTTACCTTCAGGCTTATTAAGAAATGAAATGAGATAACCAATGTCAAAG	60	
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Qy	61	TCCTATAAAATGTTATAGCCCTCCATTCGGATGTATGCTTTGGCAGGATGATAAAGAAATCA	120	
Db	61			
Qy	121	GGAAAGAGAGTATCCAGTTTAGCCAAAGTGTCCAGCTGTCTGCTCTTATTTTATGTGA	180	
Db	121	GGAAAGAGAGTATCCAGTTTAGCCAAAGTGTCCAGCTGTCTGCTCTTATTTTATGTGA	180	
Qy	181	CAGATGTTGCTCTGACAGAAGCTATTCTTCAGGAAACATCACATCCAATATGCTAAATC	240	
Db	181			
Qy	241	CATCAAAACAGGAGCTAAGAAAACAGGAATGAGATGGGCACCTGCCCAGGAAAAAATGCCAG	300	
Db	241			
Qy	301	GAGAGCAAAATAATGATGAAAAATAAACTTTTCCTTTGTTTTAAATTCAGGAAAAAATG	360	
Db	301			
Qy	361	ATCAGGACCAAAATCAATGAATAAGGAAAACAGCTCAGAAAAAAGATGTTTCCAAATTGG	420	
Db	361			
Qy	421	TAATTAAGTATTTGTTCTTTGGGAAGAGACCTCCATGTGAGCTTGTATGGGAAAAATGGAA	480	
Db	421			
Qy	481	AAACGTCAAAAGCATGATCTGATCAGATCCCAAGTGGATTATTTATTTTAAAAACCGAT	540	
Db	481			
Qy	541	GGCATCACTCTGGGAGGCAAGTTTCAGGAAGGTCATGTTAGCAAGAGCATATAACAATAAC	600	
Db	541			
Qy	601	AGCAAAATCAAAATTCGCAAAATGSCAGGAGGAAAAATGGGACCTGGGAAAGCTTTCATAAC	660	
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Qy	661	AGTGAATTAGCGATTTGACATGTTTCGCAACACCTCCCGTCTATACCGAGGAAACAAAA	720	
Db	661			
Qy	721	ATTGACTGGCTTAAGCTTGACCTTTCAGGGAATATGAAAACTGAGACAAAAACAAA	780	
Db	721			
Qy	781	GACATGGTTAAAAAGGCAACAGAACATTTGTAGCCCTTCAAAGCAGCAGTGCCTTCAGCA	840	
Db	781			
Qy	841	GGGACCTGAGGCATTTGCTTTAGGAAGGCCAGTTTTTCTTAAGGAATCTTAAGAAATCTC	900	
Db	841	GGGACCTGAGGCATTTGCTTTAGGAAGGCCAGTTTTTCTTAAGGAATCTTAAGAAATCTC	900	
Qy	901	TTGAAAGATCATGNAATTTTAAACATTTTAAGTATAAAACAAATATGCATGTCATAAATCAG	960	
Db	901			
Qy	961	TTTAGACATGGGTCCCAATTTTAAAGTCAGGCATACAAGGATAAAGTATGCGATGCAATATCAG	1020	
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Qy	1021	GGATAGGTCAAGAAATCAATTAAGAAATCACTGTGTGCCCATCTTAACCTTTTTCAGNATGATC	1080	

RESULT 2
US-10-244-633-3
; Sequence 3, Application US/10244633
; Publication No. US20030068640A1
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Pu
; APPLICANT: Chen, Hua
; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis,
; TITLE OF INVENTION: Prognosis And Treatment Of Glaucoma And Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 07425.0057.US01
; CURRENT APPLICATION NUMBER: US/10/244.633
; CURRENT FILING DATE: 2002-09-17
; PRIOR APPLICATION NUMBER: US/09/306.828
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/227,881
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 3
; LENGTH: 6169
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-244-633-3

Db 1021 GGATAGGTCAGAAATCATTAGAAATCACTGTGTCCCATCTTAATCTTTTCAGAAATGATC 1080
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Db 1141 GTGCTCAACCATTTTAAAGCTGTCTCATCTAGTAGTGTCCATTAACAATGCCACTCCCC 1200
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Db 1201 TGTGAGCCCAATCCCGCTCCACAGGAAAGTCTCCCACTCTAGACTTCTGCAATCAGATGT 1260
Qy 1261 TAGAGCCAGAAAGTCCGTGAGGGTGTGAGGTCTGTCTTACACCTACCTGTATGCTCTAC 1320
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Db 1381 CGGTAGCTGGGACTACAGGCGCACGCGCGCTAAATTTTGTATTTGTAGTAGAGTGGG 1440
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Db 1441 GTTTACCATATTAAGCCGGTGTCTTGAACCTCTGACCTCAGGTGATCCACCACTC 1500
Qy 1501 AGCTCTCTAAGTCTGGGATACAGGCGATGAGTACGCGCGCGCGGCAAGGTCAGTGT 1560
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Db 1801 TTCCATTTGGGGCCATCTGTGTGTGTATAGGGGAGGAGGCAATACCCAGAGACTCCT 1860
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Db 1861 TGAAGCCCCCGGAGAGGTTTCTCTCCAGCTGGGAGCCCTGCAAGCACCCGGGTCC 1920
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Db 2161 GCCAACTTAAACCCAGTGTGAAAAGAAAGAAATAAACCACTTCTGAAAGAAATTTGGGC 2220
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Db 2281 CCCCCAAGCCCGAGTCTTCAAGCCCTCTCCTCCATCAGTCAACAGCCTGTCAGTGTGCT 2340
Qy 2341 GCCTCGTCTCCCGTGAATCGTCTGTGTGATCTGAGCTGTGAGACTCTTGGCTCCAGGCT 2400
Db 2341 GCCTCGTCTCCCGTGAATCGTCTGTGTGATCTGAGCTGTGAGACTCTTGGCTCCAGGCT 2400
Qy 2401 CCAGAAAGGAAATGAGAGAGGAAATAGTCTAAACGGAGAAATCTGGAGGGACAGTGTTC 2460
Db 2401 CCAGAAAGGAAATGAGAGAGGAAATAGTCTAAACGGAGAAATCTGGAGGGACAGTGTTC 2460
Qy 2461 CTCAAGAGGAAAGGGGCTCCACGTCCAGGAGAAATTCAGAGAGTGGGACCTGAGGAG 2520
Db 2461 CTCAAGAGGAAAGGGGCTCCACGTCCAGGAGAAATTCAGAGAGTGGGACCTGAGGAG 2520
Qy 2521 TGGGAGCTGTGGGCTGAGCGGCTGCTGAAAGCAGGAGGTCGAAAGGCGCAAGGCTGAA 2580
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Qy 2581 GCTGCCAGAGTGTTCAGTGTGTTTACGGGCTGGAGTGTTCCTGTTGCTTCTGTGAGC 2640
Db 2581 GCTGCCAGAGTGTTCAGTGTGTTTACGGGCTGGAGTGTTCCTGTTGCTTCTGTGAGC 2640
Qy 2641 CTTTTTATCTTTTCTCTGCTTGGAGAGAAAGTCTATTTCATGAAGGAGTGCAGTTC 2700
Db 2641 CTTTTTATCTTTTCTCTGCTTGGAGAGAAAGTCTATTTCATGAAGGAGTGCAGTTC 2700
Qy 2701 ATAAAGTCACTGTGTTAAATTCAGGCTGTGATGGTGTTCCTTCAAGAGGCTTTAT 2760
Db 2701 ATAAAGTCACTGTGTTAAATTCAGGCTGTGATGGTGTTCCTTCAAGAGGCTTTAT 2760
Qy 2761 TTAATGGGAATATAGGAAGCGAGCTCATTTCTTAGGCGGTAAATTCACGGAAGAGTGAC 2820
Db 2761 TTAATGGGAATATAGGAAGCGAGCTCATTTCTTAGGCGGTAAATTCACGGAAGAGTGAC 2820
Qy 2821 TGGAGTCTTTTCTTTCTCTGCTTGGGCAACTACTCAGCCCTGTGTGTGAGTGTGCTTA 2880
Db 2821 TGGAGTCTTTTCTTTCTCTGCTTGGGCAACTACTCAGCCCTGTGTGTGAGTGTGCTTA 2880
Qy 2881 TGCAGAACGCTCGAAAACCTTGGAAATCAGGAGACTCGGTTTCTTCTGTTCTGCGCAT 2940
Db 2881 TGCAGAACGCTCGAAAACCTTGGAAATCAGGAGACTCGGTTTCTTCTGTTCTGCGCAT 2940
Qy 2941 GGTGTGCTGTGCGACCGTGGGCAAGTGTCTCTCTTCCCTGGGCAACTACTCTGCT 3000
Db 2941 GGTGTGCTGTGCGACCGTGGGCAAGTGTCTCTCTTCCCTGGGCAACTACTCTGCT 3000
Qy 3001 ATAAAGACCTTCCAGCTCTCGTGTGTCTGTGAACACTTCCCTGTGATTTCTGTGAGGG 3060
Db 3001 ATAAAGACCTTCCAGCTCTCGTGTGTCTGTGAACACTTCCCTGTGATTTCTGTGAGGG 3060
Qy 3061 GATGTTGAGAGGGAGGAGGAGGAGGAGCTGAGGAGCTGAGGAGGAGGAGGAGG 3120
Db 3061 GATGTTGAGAGGGAGGAGGAGGAGGAGGAGCTGAGGAGCTGAGGAGGAGGAGGAGG 3120
Qy 3121 GAGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3180
Db 3121 GAGACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3180
Qy 3181 CAGGACCGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3240
Db 3181 CAGGACCGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3240

Qy	3241	TCCTAAGCATAGACAATGGCATTTGCCAATAACCAAAAGAAATGCAGAGCTAACTGGT	3300
Db	3241		
Qy	3301	GGTAGCTTTTGCCTGGCATTTCAA AAAACTGGGCGAGAGCAAGTGGAAAAATGCCAGAGATTG	3360
Db	3301		
Qy	3361	TTAAACTTTTCA CCTGTACCGCACCCACGCGAGCTCAGCAGTGA CTGTGTGACAGCACCG	3420
Db	3361		
Qy	3421	AGTGACCTGCAGCGCAGGGGAGGAGAGAAAAAGAGGGGATAGTGTATGAGCAAGAAAG	3480
Db	3421		
Qy	3481	ACAGATTCA TTTCAAGGCGAGTGGGAATTTGACCA CGGGATTTATAGTTCACGCGATCCTCG	3540
Db	3481		
Qy	3541	GTTC TAGCGCAGGGCTATATTTGTGGGGGAAAAAATCAGTTCAAGGGAAGTCGGGAGA	3600
Db	3541		
Qy	3601	CCTGATTTCTAATACTATA TTTTTCCTTTTCAAGCTGAGTAA TCTTGAGCAAGTCACAAG	3660
Db	3601		
Qy	3661	GTAGTAAC TAGCGCTGTAA GATTACTTAGTTTCTCCTTATTTAGGAACTCTTTTTCCTCTGT	3720
Db	3661		
Qy	3721	GGAGTTAGCAGCACAAAGGCAATCCCGTTTCTTTTAA CAGGAAGAAAACTTCTTAAGAG	3780
Db	3721		
Qy	3781	TAAAGCCAAACAGATTCAGCGCTAGTCTTGCTGACTATATGATGGTTTTTTTGAAAAAT	3840
Db	3781		
Qy	3841	CATTTTAGCGCATGTTTACTATCTGATTCAGAAATAGAGCTAGTACCC TTTGGTCAAGCTG	3900
Db	3841		
Qy	3901	TAAACAAACCCAGTTGTAAATGTCTCAAGTTCAAGCTTAACTGAGAACCAATCAAAA	3960
Db	3901		
Qy	3961	AGATAGAA TCTTTAGAGCAAACTGTGTCTCCACATCTGGAGGTGAGTCTGCCAGGCG	4020
Db	3961		
Qy	4021	AGTTTGAAATATTTTACTTCA CAAAGTATGCACACTGTGTGTGTTATTAACCAATAAAGT	4080
Db	4021		
Qy	4081	TGCTCAAAGGCAATCATTTATTTCAAGTGGCTTAAAGTTACTTTCTGACAGTTTTGGTATAT	4140
Db	4081		
Qy	4141	TTATTGGCTATTGCCATTTGCTTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	4200
Db	4141		
Qy	4201	GGATTATTAACCTACAGTCCAGAAAGCCTGTGAATTTGAAATGAGGAAAAAATTTACATTTT	4260
Db	4201		
Qy	4261	TGTTTTTACCACTTCTTAACATAATTTAA CATTTTTATTCATTGCCGAATAGAGCCATAAA	4320
Db	4261		

Qy	4321	CTCAAAAGTGGTAATAACAGTACCTGTGTGATTTTGTGTCATTACCAATAGAAATCAAGACATT	4380
Db	4321	CTCAAAAGTGGTAATAACAGTACCTGTGTGATTTTGTGTCATTACCAATAGAAATCAAGACATT	4380
Qy	4381	TTATACTATATACAGTGTGTGCAGATACGTTGTAAGTGAATAATTTATATCTCAAACCTA	4440
Db	4381	TTATACTATATACAGTGTGTGCAGATACGTTGTAAGTGAATAATTTATATCTCAAACCTA	4440
Qy	4441	CTTTGAAATTTAGACCTCTCGCTGGATCTTGTTTTTTAACATATTAATPAAACAATGTTTAAA	4500
Db	4441	CTTTGAAATTTAGACCTCTCGCTGGATCTTGTTTTTTAACATATTAATPAAACAATGTTTAAA	4500
Qy	4501	ATTTTGATATTTTGATAATCAATATTTCAATATCAATTTGTTTCCCTTTGTGAATCTATATTTTT	4560
Db	4501	ATTTTGATATTTTGATAATCAATATTTCAATATCAATTTGTTTCCCTTTGTGAATCTATATTTTT	4560
Qy	4561	ATATATTTGAAACATCTTTCTGAGAAGAGTTCCCCAGATTTCCACCAATGAGGTTCTTGG	4620
Db	4561	ATATATTTGAAACATCTTTCTGAGAAGAGTTCCCCAGATTTCCACCAATGAGGTTCTTGG	4620
Qy	4621	CATGCACACACACAGAGTAAGAACTGATTTAGAGGCTAAACATTTGACATTTGGTGCCTGAGA	4680
Db	4621	CATGCACACACACAGAGTAAGAACTGATTTAGAGGCTAAACATTTGACATTTGGTGCCTGAGA	4680
Qy	4681	TGCAAGACTGAAATTAAGAAGTTCTCCCAAAGATACACAGTTGTTTTAAAGCTAGGGGTG	4740
Db	4681	TGCAAGACTGAAATTAAGAAGTTCTCCCAAAGATACACAGTTGTTTTAAAGCTAGGGGTG	4740
Qy	4741	AGGGGGGAATCTGCCGCTTCTATAGGAATGCTCTCCCTGGAGCCTGTAGGGTGTCTGTC	4800
Db	4741	AGGGGGGAATCTGCCGCTTCTATAGGAATGCTCTCCCTGGAGCCTGTAGGGTGTCTGTC	4800
Qy	4801	CTTGTGTTCTGGCTGGCTGTATTTTTTCTGTGCTCCTGCTCACTCTTAAAGGACTTGTGTT	4860
Db	4801	CTTGTGTTCTGGCTGGCTGTATTTTTTCTGTGCTCCTGCTCACTCTTAAAGGACTTGTGTT	4860
Qy	4861	GGATCTCCAGTTCCTAGCATAGTGCCTGGCACAGTCCAGGTTCTCAATGATTTGTCAGAG	4920
Db	4861	GGATCTCCAGTTCCTAGCATAGTGCCTGGCACAGTCCAGGTTCTCAATGATTTGTCAGAG	4920
Qy	4921	TGAATGGAATATAAACTAGAAATATATCTCTGTGTCGCTCAATCAGCACACAGTAGTCTCTG	4980
Db	4921	TGAATGGAATATAAACTAGAAATATATCTCTGTGTCGCTCAATCAGCACACAGTAGTCTCTG	4980
Qy	4981	TGTAAGTGTGTGTACGT	5040
Db	4981	TGTAAGTGTGTGTACGT	5040
Qy	5041	TAGGAATATATTATGGGGTATGGGTGCATAAATTTGGGATGTTCTTTTTTAAAAAGAACTC	5100
Db	5041	TAGGAATATATTATGGGGTATGGGTGCATAAATTTGGGATGTTCTTTTTTAAAAAGAACTC	5100
Qy	5101	CAAAACAGCTTCGGAAGGTATTTTCTAAGATCTTGTGGCAGCGTGAAGCAACCCC	5160
Db	5101	CAAAACAGCTTCGGAAGGTATTTTCTAAGATCTTGTGGCAGCGTGAAGCAACCCC	5160
Qy	5161	CCTGTGCACAGCCCCACCGCTCAGTGGCCACCTCTGTCTTCTCCCTCCCATGAAGGGCTG	5220
Db	5161	CCTGTGCACAGCCCCACCGCTCAGTGGCCACCTCTGTCTTCTCCCTCCCATGAAGGGCTG	5220
Qy	5221	GCTCCCCAGTATATAAACTCTCTGGAGCTCGGGCATGAGCAGCAAGG	5271
Db	5221	GCTCCCCAGTATATAAACTCTCTGGAGCTCGGGCATGAGCAGCAAGG	5271

RESULT 3
US-09-985-637A-1
; Sequence 1, Application US/09985637A
; Publication No. US2003011900A1
; GENERAL INFORMATION:
; APPLICANT: Polansky, Jon
; TITLE OF INVENTION: METHODS TO SCREEN
; TITLE OF INVENTION: TO DEVELOP GLA
; TITLE OF INVENTION:

FILE REFERENCE: 13587.296
CURRENT APPLICATION NUMBER: US/09/985.637A
CURRENT FILING DATE: 2001-11-05
NUMBER OF SEQ ID NOS: 21
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 5300
TYPE: DNA
ORGANISM: Homo sapiens
US-09-985-637A-1

Query Match 99.5%; Score 5246.4; DB 3; Length 5300;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 5269; Conservative 0; Mismatches 1; Indels 2; Gaps 2;
QY 1 ATCTTTGTTTCAGTTTACCTCAGGGCTATTATGAAATGAAATGAGATACCAATGTGAAG 60
DB 1 ATCTTTGTTTCAGTTTACCTCAGGGCTATTATGAAATGAAATGAGATACCAATGTGAAG 60
QY 61 TCCTATAAATCTGTATAGCCTCCATTCGGATGTATGCTTTGGCAGGATGATAAAGATCA 120
DB 61 TCCTATAAATCTGTATAGCCTCCATTCGGATGTATGCTTTGGCAGGATGATAAAGATCA 120
QY 121 GGAAGAGAGTAGTATCCACGTTAGCCCAAGTGTCCAGGCTGTGCTCTTATTTTAGTGA 180
DB 121 GGAAGAGAGTAGTATCCACGTTAGCCCAAGTGTCCAGGCTGTGCTCTTATTTAGTGA 180
QY 181 CAGATGTGCTCTGACAGAAAGCTATTCTTCAGAAACATCAATCCAAATATGGTAAATC 240
DB 181 CAGATGTGCTCTGACAGAAAGCTATTCTTCAGAAACATCAATCCAAATATGGTAAATC 240
QY 241 CATCAACAGGAGCTAAGAAACAGGATGAGTGGCAGCTTCCAGGAAATATCCAG 300
DB 241 CATCAACAGGAGCTAAGAAACAGGATGAGTGGCAGCTTCCAGGAAATATCCAG 300
QY 301 GAGAGCAAAATTAATGATGAAATTAATCTTTTCCCTTTGTTTAAATTCAGGAAATATG 360
DB 301 GAGAGCAAAATTAATGATGAAATTAATCTTTTCCCTTTGTTTAAATTCAGGAAATATG 360
QY 361 ATGAGACCAAAATCAATGATGAAATTAAGGAAACAGCTCAGAAATGATTTTCAAAATGG 420
DB 361 ATGAGACCAAAATCAATGATGAAATTAAGGAAACAGCTCAGAAATGATTTTCAAAATGG 420
QY 421 TAATTAAGTATTTGTTCTTGGAGAGACCTCCATGTCAGTGTGATGGGAAATCGAA 480
DB 421 TAATTAAGTATTTGTTCTTGGAGAGACCTCCATGTCAGTGTGATGGGAAATCGAA 480
QY 481 AAACGTCAAAAGCATGATCTGATCAGATCCCAAAGTGGATTATTTTAAAAACCGAT 540
DB 481 AAACGTCAAAAGCATGATCTGATCAGATCCCAAAGTGGATTATTTTAAAAACCGAT 540
QY 541 GGATCATCTTGGGAGGCAAGTTTCAGGAAGGTTCATGTAAGGAAACATTAACAATTAAC 600
DB 541 GGATCATCTTGGGAGGCAAGTTTCAGGAAGGTTCATGTAAGGAAACATTAACAATTAAC 600
QY 601 AGCAAAATCAAAATTCGCAAAATGACAGGAGGAAATGGGACCTGGAAGCTTTTCAATAC 660
DB 601 AGCAAAATCAAAATTCGCAAAATGACAGGAGGAAATGGGACCTGGAAGCTTTTCAATAC 660
QY 661 AGTGATTAGGCAAGTTCACCATGTTTCGCAACACCTCCCGCTCTATACAGGGAACACAAA 720
DB 661 AGTGATTAGGCAAGTTCACCATGTTTCGCAACACCTCCCGCTCTATACAGGGAACACAAA 720
QY 721 ATTGACTGGGCTAAGCTTGACTTTTCAAGGGAATATGAAAACTGAGAGCAAAACAAA 780
DB 721 ATTGACTGGGCTAAGCTTGACTTTTCAAGGGAATATGAAAACTGAGAGCAAAACAAA 780
QY 781 GACATGTTAAAGGCAACAGAAATTTGAGCCCTCAAGAGCAGTGCCTCAGCA 840
DB 781 GACATGTTAAAGGCAACAGAAATTTGAGCCCTCAAGAGCAGTGCCTCAGCA 840
QY 841 GGGACCTCAGGCAATTTGCTTTAGGAAGCCAGTGTCTTTTAAAGGAATCTTAAAGAACTC 900
DB 841 GGGACCTCAGGCAATTTGCTTTAGGAAGCCAGTGTCTTTTAAAGGAATCTTAAAGAACTC 900

841 GGGACCTCAGGCAATTTGCTTTAGGAAGCCAGTGTCTTTTAAAGGAATCTTAAAGAACTC 900
QY 901 TTGAAAGATCATGAATTTTAAACATTTTAAAGTATAAACAATATATGCGATGCAATATCAG 960
DB 901 TTGAAAGATCATGAATTTTAAACATTTTAAAGTATAAACAATATATGCGATGCAATATCAG 960
QY 961 TTTAGACATGGGTCCCAATTTTATAAAGTCAGGCATACAAAGGATAACGTGTCCAGCTCC 1020
DB 961 TTTAGACATGGGTCCCAATTTTATAAAGTCAGGCATACAAAGGATAACGTGTCCAGCTCC 1020
QY 1021 GGATAGGTGAGAAATCATTTAGAAATCATCTGTGTCCCATCTTAACCTTTTTCAGAAATGATC 1080
DB 1021 GGATAGGTGAGAAATCATTTAGAAATCATCTGTGTCCCATCTTAACCTTTTTCAGAAATGATC 1080
QY 1081 TGTCTATAGCCCTCAGACAGAGCCCGATGTGTCTGACCTACACACACATCTACAAACCAA 1140
DB 1081 TGTCTATAGCCCTCAGACAGAGCCCGATGTGTCTGACCTACACACACATCTACAAACCAA 1140
QY 1141 GTGCTCTCAACCATTTGTAAAGTGTCTCAGTAGGTCCCATTTACAAATGCCACCTCCCTCC 1200
DB 1141 GTGCTCTCAACCATTTGTAAAGTGTCTCAGTAGGTCCCATTTACAAATGCCACCTCCCTCC 1200
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DB 1201 TGTGACGCCCATCCCGCTCCACAGGAAGTCTCCCACTCTAGACTTTCTGCATCACGATGT 1260
QY 1261 TACAGCCAGAAAGTCCGTGAGGCTGTGTCTTACACCTACCTGTGTATGCTCTAC 1320
DB 1261 TACAGCCAGAAAGTCCGTGAGGCTGTGTCTTACACCTACCTGTGTATGCTCTAC 1320
QY 1321 ACTGAGCTCACTGCACACCTCTCCCTCCAGGTTCAAGCAATTTCTCTGTCTCAGCTCC 1380
DB 1321 ACTGAGCTCACTGCACACCTCTCCCTCCAGGTTCAAGCAATTTCTCTGTCTCAGCTCC 1380
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DB 1381 CGCGTAGCTGGGACTACAGCGCACCGCGGCTAAATTTTGTATTTAGTAGAGATGGG 1440
QY 1441 GTTTTACCCTATTTAGCCCGGCTGTGTGAACTCTGACCTCAGGTGATCCACCCACTC 1500
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DB 1501 AGCCTCTTAAAGTGTGGGATTTACAGGATGAGTCAACCGCGCCGCGCAAGGTCAGTGT 1560
QY 1561 TTAATAAGGAATAAATTTGAATGTTTACTTAAACCAACAGGAAACAGACAAAGCTGTGA 1620
DB 1561 TTAATAAGGAATAAATTTGAATGTTTACTTAAACCAACAGGAAACAGACAAAGCTGTGA 1620
QY 1621 TAAATTTAGGGAATTTCTGGGATGGGAAATGGTGCATGAGCTGCCTGCTAGTCCAGAC 1680
DB 1621 TAAATTTAGGGAATTTCTGGGATGGGAAATGGTGCATGAGCTGCCTGCTAGTCCAGAC 1680
QY 1681 CACTGGTCTCATCACTTTCTTCCCTCATCTCTTCTTTCAGGCTAAGTTTACCAATTTAT 1740
DB 1681 CACTGGTCTCATCACTTTCTTCCCTCATCTCTTCTTTCAGGCTAAGTTTACCAATTTAT 1740
QY 1741 CACCATGCTTTTGTGGTAAAGCTCCACATCGTTACTGAAATTAAGAGTATACATAAATAG 1800
DB 1741 CACCATGCTTTTGTGGTAAAGCTCCACATCGTTACTGAAATTAAGAGTATACATAAATAG 1800
QY 1801 TTCCATTTTGGGCCATCTGTGTGTGTATAGGGAAGGAGGAGGATACCCAGAGACTCT 1860
DB 1801 TTCCATTTTGGGCCATCTGTGTGTGTATAGGGAAGGAGGAGGATACCCAGAGACTCT 1860
QY 1861 TGAAGCCCGCGCAGAGGTTTCTCTCAGCTGGGGAGCCCTGCAAGCACCCGGGGTCC 1920
DB 1861 TGAAGCCCGCGCAGAGGTTTCTCTCAGCTGGGGAGGAGGCTCTGCAAGCACCCGGGGTCC 1920
QY 1921 TGGGTGTCTGAGCAACCTGCCAGCCCGTGCCTGCTGCTGTTTGTATCTCTCTAGG 1980
DB 1921 TGGGTGTCTGAGCAACCTGCCAGCCCGTGCCTGCTGCTGTTTGTATCTCTCTAGG 1980

Db 4140 TTTATGGCTATGCCATTTCTTTTGTCTTTCTTTGGGTTATTAATGAAGCA 4199
Qy 4200 GGGATTATTAACCTACAGTCCAGAAAGCCTGTGAATTTGAATGAGGAAAAAATACATTT 4259
Db 4200 GGGATTATTAACCTACAGTCCAGAAAGCCTGTGAATTTGAATGAGGAAAAAATACATTT 4259
Qy 4260 TTGTTTTTACACACCTTCTAATAATTAATTAATTTTATTCATTTGGAATAGACCAATAA 4319
Db 4260 TTGTTTTTACACACCTTCTAATAATTAATTAATTTTATTCATTTGGAATAGACCAATAA 4319
Qy 4320 ACTCAAGTGTGAATAACAGTACCTGTGATTTTGTCTAATTAACCAATAGAAATCAAGACAT 4379
Db 4320 ACTCAAGTGTGAATAACAGTACCTGTGATTTTGTCTAATTAACCAATAGAAATCAAGACAT 4379
Qy 4380 TTTATATATATACAGTTGTGAGATACCTGTGAAGTGAATTAATTTATTAATCAAAACT 4439
Db 4380 TTTATATATATACAGTTGTGAGATACCTGTGAAGTGAATTAATTTATTAATCAAAACT 4439
Qy 4440 ACTTTGAATTAGACCTCCTGCTGATCTTGTGATTTTAAACATATTAATAACATGTTTAA 4499
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Qy 4500 AATTTGATATTTTGATAATCAATATTAATTAATTTGTTTCTTTGTAATCTATATTT 4559
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Qy 4560 TATATATTTGAAAAATCTTTCTGAGAAGAGTCCCGAGATTTCCCAATGAGGTTCTTG 4619
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Qy 4620 GCATGACACACAGAGTAAAGACTGATTTAGAGGCTTAACATGACATTTGGTCCCTGAG 4679
Db 4620 GCATGACACACAGAGTAAAGACTGATTTAGAGGCTTAACATGACATTTGGTCCCTGAG 4679
Qy 4680 ATGCAAGACTGAAATTAAGAGTTCTCCCAAGATACACAGTTGTTTAAAGCTAGAGGT 4739
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Qy 4740 GAGGGGGAAATCTGCGCTTCTATAGGAATGCTCTCCCTGGAGCCTGGTAGGCTGTGT 4799
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Qy 4800 CCTTGCTGCTGCTGCTGTTATTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 4859
Db 4800 CCTTGCTGCTGCTGCTGTTATTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 4859
Qy 4860 TGGATCTCCAGTTCTTAGCATAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 4919
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Qy 4920 GTGAATGGAATATAAATAAGAAATATATCTTTGTAATTAATCAAGCAGTGTGCTG 4979
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Qy 4980 GTGTAAGTGTGTACGT 5039
Db 4980 GTGTAAGT 5039
Qy 5040 ATAGGAATTAATTTGGGATAGGTCATATAATTTGGGATGTTCTTTTAAAGAAACT 5099
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Qy 5160 CCTGTGACAGGCCCCCAGGCTGAGTGGCCACCTCTGCTTCCCTCCCATGAGGCT 5219
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Qy 5220 GGCTCCCAATATATAACCTCTCTGGAGCTCGGCGATGAGCCAGCAAGG 5271

Db 5220 GGCTCCCAATATATAACCTCTCTGGAGCTCGGCGATGAGCCAGCAAGG 5271
RESULT 4
US-10-244-633-1
; Sequence 1, Application US/10244633
; Publication No. US20030068640A1
; GENERAL INFORMATION: Thai D.
; APPLICANT: Nguyen, Jon R.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Pu
; APPLICANT: Chen, Hua
; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis,
; TITLE OF INVENTION: Prognosis And Treatment Of Glaucoma And Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 07425.0057.US01
; CURRENT APPLICATION NUMBER: US/10/244,633
; CURRENT FILING DATE: 2002-09-17
; PRIOR APPLICATION NUMBER: US/09/306,828
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/227,881
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 1
; LENGTH: 5300
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-244-633-1
Query Match 99.5%; Score 5246.4; DB 5; Length 5300;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 5269; Conservative 0; Mismatches 1; Indels 2; Gaps 2;
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Qy 541 GGCAATCACTCTGGGAGGCAAGTTTCAGGAAGGTCATGTTAGCAAGGACATCAATAAC 600
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3001 ATAAAGACCTTGCAGCTCTGCTGTCTGTGAAACACTTCCCTGTGATCTCTGTGAGGG 3060
3001 ATAAAGACCTTGCAGCTCTGCTGTCTGTGAAACACTTCCCTGTGATCTCTGTGAGGG 3060
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3121 GGACAGGAAGCAGCAGAGAGCTGGGTCTCCATCAGTCCCTCACTGATCAGTCACTC 3180
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3181 CAGGACCGAGGACCAATGCTTCAGGAAGCTCAATGAACCCAAACGACCAATTTCTCT 3240
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3361 TTAACCTTTTCCCTGACCGACCCCAAGCTCAGCAGTCACTGATGAGCAAGCAGG 3420
3421 AGTGACCTGACCGCAGGAGGAGAAAGAGAGGAGTGTATGAGCAAGAAAG 3480
3421 AGTGACCTGACCGCAGGAGGAGAAAGAGAGGAGTGTATGAGCAAGAAAG 3480
3481 ACAGATTCATTCAAGGGCAGTGGGAATTTGACCACAGGGATTTATAGTCCAGTCTCTGG 3540
3481 ACAGATTCATTCAAGGGCAGTGGGAATTTGACCACAGGGATTTATAGTCCAGTCTCTGG 3540
3541 GTTCTAGGAGGAGGAGGCTATTTGTTGGGGGGAAGAAATCAGTTCAAGGGAAGTCGGGAGA 3600
3541 GTTCTAGGAGGAGGAGGCTATTTGTTGGGGGGAAGAAATCAGTTCAAGGGAAGTCGGGAGA 3600
3601 CCTGATTTCTAACTATATTTTCTTTTCAAGCTGAGTAAATCTTGAGCAAGTCAAG 3660
3601 CCTGATTTCTAACTATATTTTCTTTTCAAGCTGAGTAAATCTTGAGCAAGTCAAG 3660
3661 GTAGTAACCTGAGGCTGTAGATTAATTAGTGTCTCTTTTATAGGAATCTTTTCTCTGT 3720
3661 GTAGTAACCTGAGGCTGTAGATTAATTAGTGTCTCTTTTATAGGAATCTTTTCTCTGT 3720
3721 GGATGTAGCAGCAAGAGGCAATCCGTTCTTTTAAACAGGAAGAAACATTCCTAAGAG 3780
3721 GGATGTAGCAGCAAGAGGCAATCCGTTCTTTTAAACAGGAAGAAACATTCCTAAGAG 3780
3781 TAAAGCCAAACAGATTCAGCCTAGTCTTGTGCTGACTATATGATGTTGTTTGAAGAT 3840
3781 TAAAGCCAAACAGATTCAGCCTAGTCTTGTGCTGACTATATGATGTTGTTTGAAGAT 3840
3841 CATTTTCAGCGATGTTTACTATCTGATTCAGAAATGAGACTAGTACCCCTTTTGTGCTG 3900

3841 CATTTTCAGCGATGTTTACTATCTGATTCAGAAATGAGACTAGTACCCCTTTTGGTCAGCTG 3900
3901 TAAACAAACACCCAGTTGTAATGTTCTCAAGTTTCAGGCTTAACTGCGAAGCAATCAAA- 3959
3901 TAAACAAACACCCAGTTGTAATGTTCTCAAGTTTCAGGCTTAACTGCGAAGCAATCAAA- 3960
3960 AAGAATAGAAATCTTTAGAGCAAACTGTGTTTCTCCACATCTGGAGGTGAGTCTGCCAGGG 4019
3961 AAGAATAGAAATCTTTAGAGCAAACTGTGTTTCTCCAC- TCTGGAGGTGAGTCTGCCAGGG 4019
4020 CAGTTTGGAAATATTTTACTTCACAAGTATTGACACTGTTGTTGGTATTAAACAACATAAAG 4079
4020 CAGTTTGGAAATATTTTACTTCACAAGTATTGACACTGTTGTTGGTATTAAACAACATAAAG 4079
4080 TTGCTCAAAGGCAATCATTTATTTCAAGTGGCTTAAAGTTACTTCTGACAGTTTTGGTATA 4139
4080 TTGCTCAAAGGCAATCATTTATTTCAAGTGGCTTAAAGTTACTTCTGACAGTTTTGGTATA 4139
4140 TTTTATTTGGCTTATTTGCCATTTGCTTTTCTTTTGGGTTTATTAATGTAAAGCA 4199
4140 TTTTATTTGGCTTATTTGCCATTTGCTTTTCTTTTGGGTTTATTAATGTAAAGCA 4199
4200 GGGATTTATTAACCTACAGTCCAGAAAGCCTGTGAATTTGAATGAGGAAAAAATTTACATTT 4259
4200 GGGATTTATTAACCTACAGTCCAGAAAGCCTGTGAATTTGAATGAGGAAAAAATTTACATTT 4259
4260 TTGTTTTTACCACCTTCTAACTAAATTTAACTTTTATTTCCATTTGCGAATAGAGCCATAA 4319
4260 TTGTTTTTACCACCTTCTAACTAAATTTAACTTTTATTTCCATTTGCGAATAGAGCCATAA 4319
4320 ACTCAAAGTGGTAAATAACAGTACCTGTGATTTTGTCAATACCAATAGAAATACAGACAT 4379
4320 ACTCAAAGTGGTAAATAACAGTACCTGTGATTTTGTCAATACCAATAGAAATACAGACAT 4379
4380 TTTTATACTATATTACAGTTGTTTGACATACGTTGTAAGTGAATAATTTTATFACCTCAAACT 4439
4380 TTTTATACTATATTACAGTTGTTTGACATACGTTGTAAGTGAATAATTTTATFACCTCAAACT 4439
4440 ACTTTGAAATTTAGACCTCTCTGCGATCTGTTTAAACATATTAAATAAACAATGTTTAA 4499
4440 ACTTTGAAATTTAGACCTCTCTGCGATCTGTTTAAACATATTAAATAAACAATGTTTAA 4499
4500 AATTTTGATTTTGTGATTAATCATATTTCATTTCAATTTCTTTTCTTTGTAATCTATATTT 4559
4500 AATTTTGATTTTGTGATTAATCATATTTCATTTCAATTTCTTTTCTTTGTAATCTATATTT 4559
4560 TATATATTTGAAAAACATCTTTCTGAGAAGAGTTCCCGAGATTTCCACCAATGAGGTTCTTG 4619
4560 TATATATTTGAAAAACATCTTTCTGAGAAGAGTTCCCGAGATTTCCACCAATGAGGTTCTTG 4619
4620 GCATGCACACACACAGAGTAAGAACTGATTTAGAGGCTAACATTGACATTTGGTGCCTGAG 4679
4620 GCATGCACACACACAGAGTAAGAACTGATTTAGAGGCTAACATTGACATTTGGTGCCTGAG 4679
4680 ATGCAAGACTGAAATTTAGAAAGTTCTCCCAAGATACACAGTTGTTTAAAGCTAGGGGT 4739
4680 ATGCAAGACTGAAATTTAGAAAGTTCTCCCAAGATACACAGTTGTTTAAAGCTAGGGGT 4739
4740 GAGGGGGGAAATCTGCGCTTCTATAGGAATGCTCTCCCTGGAGCCTGCTAGGGGTCTGT 4799
4740 GAGGGGGGAAATCTGCGCTTCTATAGGAATGCTCTCCCTGGAGCCTGCTAGGGGTCTGT 4799
4800 CCTTGTGTTCTGGCTGGCTGTTTATTTTCTGCTGCTGCTAGCTTTAAAGGACTTGT 4859
4800 CCTTGTGTTCTGGCTGGCTGTTTATTTTCTGCTGCTGCTAGCTTTAAAGGACTTGT 4859
4860 TCGATCTCCAGTTCTTAGCATAGTCTGGCAGTGGAGGTTCTCAATGAGTTTGCACA 4919
4860 TCGATCTCCAGTTCTTAGCATAGTCTGGCAGTGGAGGTTCTCAATGAGTTTGCACA 4919
4920 GTGAATGGAATATATAAATCTAGAAATATATCTTTGTTGTAATCAGCACACAGTAGTCTTG 4979
4920 GTGAATGGAATATATAAATCTAGAAATATATCTTTGTTGTAATCAGCACACAGTAGTCTTG 4979

Db	4851	GGAAAGAGAGTATCCAGTTAGCCAAAGTGTCAGGCTGTGCTGCTCTTATTTAATGA	4910
Qy	181	CAGATGTTGCTCCTCGACAGAGCTATTCTTCAGGAAACATCACATCCAAATATGTAATC	240
Db	4911	CAGATGTTGCTCCTCGACAGAGCTATTCTTCAGGAAACATCACATCCAAATATGTAATC	4970
Qy	241	CATCAACAGGAGCTTAAGAAACAGGAATGAGATGGGCACTTGCCCAAGGAAATGACAG	300
Db	4971	CATCAACAGGAGCTTAAGAAACAGGAATGAGATGGGCACTTGCCCAAGGAAATGACAG	5030
Qy	301	GAGAGCAAAATGATGAAAAATAAATTTTCCCTTTGTTTAAATTTTCAGGAAAAATG	360
Db	5031	GAGAGCAAAATGATGAAAAATAAATTTTCCCTTTGTTTAAATTTTCAGGAAAAATG	5090
Qy	361	ATGAGGACCAAAATCAATGATAGGAAACAGCTCAGAAAAAGATGTTTCCAAATGG	420
Db	5091	ATGAGGACCAAAATCAATGATAGGAAACAGCTCAGAAAAAGATGTTTCCAAATGG	5150
Qy	421	TAATTAAGTATTTGTTCTCGGGAAGAGACCTCCATGTGAGCTTGTAGGGAAAAATGGAA	480
Db	5151	TAATTAAGTATTTGTTCTCGGGAAGAGACCTCCATGTGAGCTTGTAGGGAAAAATGGAA	5210
Qy	481	AAACGTCAAAAGCATGATCTGATCAGATCCCAAAGTGGATTTATTTTAAAAACCCAGAT	540
Db	5211	AAACGTCAAAAGCATGATCTGATCAGATCCCAAAGTGGATTTATTTTAAAAACCCAGAT	5270
Qy	541	GGCATCACTCTGGGGAGGCAAGTTTCAGGAAGGTCAATGTAGCAAAAGGACATAACAATAC	600
Db	5271	GGCATCACTCTGGGGAGGCAAGTTTCAGGAAGGTCAATGTAGCAAAAGGACATAACAATAC	5330
Qy	601	AGCAAAATCAAAATTCGCGAAATGCAGAGAGAAATGGGACTGGGAAAGCTTTCATAAC	660
Db	5331	AGCAAAATCAAAATTCGCGAAATGCAGAGAGAAATGGGACTGGGAAAGCTTTCATAAC	5390
Qy	661	AGTGATAGGCAAGTTGACCATGTTTCGCAACACCTCCCGCTATACCAAGGAAACACAAA	720
Db	5391	AGTGATAGGCAAGTTGACCATGTTTCGCAACACCTCCCGCTATACCAAGGAAACACAAA	5450
Qy	721	ATTGACTGGGCTAAGCCTGAGCTTTCAAGGAAATATGAAAACTGAGAGCAAAACAAA	780
Db	5451	ATTGACTGGGCTAAGCCTGAGCTTTCAAGGAAATATGAAAACTGAGAGCAAAACAAA	5510
Qy	781	GACATGTTTAAAGGCAACAGAACATTTGTGAGCTTTCAAGAGCAGAGTCCCTCAGCA	840
Db	5511	GACATGTTTAAAGGCAACAGAACATTTGTGAGCTTTCAAGAGCAGAGTCCCTCAGCA	5570
Qy	841	GGGACCTGAGGCAATTTGCCCTTTAGGAAGGCGAGTTTCTTAAGGAATCTTAAGAACTC	900
Db	5571	GGGACCTGAGGCAATTTGCCCTTTAGGAAGGCGAGTTTCTTAAGGAATCTTAAGAACTC	5630
Qy	901	TTGAAAGATCATGAATTTTAAACATTTTAAGTATATAAACAATATGCGATGCAATACAG	960
Db	5631	TTGAAAGATCATGAATTTTAAACATTTTAAGTATATAAACAATATGCGATGCAATACAG	5690
Qy	961	TTTAGACATGGTCCCAATTTTAAAGTACAGGCATACAGGATAACGTGTCACAGTCC	1020
Db	5691	TTTAGACATGGTCCCAATTTTAAAGTACAGGCATACAGGATAACGTGTCACAGTCC	5750
Qy	1021	GGATAGTTCAGAAATCATTAAGAAATCACTGTGTGCCCATCTTAACCTTTTTCAGAAATGATC	1080
Db	5751	GGATAGTTCAGAAATCATTAAGAAATCACTGTGTGCCCATCTTAACCTTTTTCAGAAATGATC	5810
Qy	1081	TGTCATAGCCCTCACAACAGGCGGATGTGTGTGACCTTACACCATCATCAACCCAA	1140
Db	5811	TGTCATAGCCCTCACAACAGGCGGATGTGTGTGACCTTACACCATCATCAACCCAA	5870
Qy	1141	GTCCCTCAACATTTGTTAAAGTGTGATCTCAGTAGGTCCCATACAAAATGCCACCTCCC	1200
Db	5871	GTCCCTCAACATTTGTTAAAGTGTGATCTCAGTAGGTCCCATACAAAATGCCACCTCCC	5930
Qy	1201	TGTGACGCCCATCCCGCTCCACAGGAAGTCTCCCGCACTCTAGACTTCTGCAATCAGGATGT	1260
Db	5931	TGTGACGCCCATCCCGCTCCACAGGAAGTCTCCCGCACTCTAGACTTCTGCAATCAGGATGT	5990

Qy	1261	TACAGCCAGAGCTCCGTGAGGGTGAGGGTCTGTGTCTTACACCTACTGTATCTCTAC	1320
Db	5991	TACAGCCAGAGCTCCGTGAGGGTGAGGGTCTGTGTCTTACACCTACTGTATCTCTAC	6050
Qy	1321	ACCTGAGCTCACTGCAACCTCTGCTCCCAAGTTCAAGCAATTTCTCTGTCTCAGCCTCC	1380
Db	6051	ACCTGAGCTCACTGCAACCTCTGCTCCCAAGTTCAAGCAATTTCTCTGTCTCAGCCTCC	6110
Qy	1381	CGGTAGCTGGGACTACAGGGCGCACGCCCGGCTAAATTTTTGTATTGTAGTAGAGTGG	1440
Db	6111	CGGTAGCTGGGACTACAGGGCGCACGCCCGGCTAAATTTTTGTATTGTAGTAGAGTGG	6170
Qy	1441	GTTTCCACCATATTAGCCCGGCTGTGAACCTCCTGACCTCAGGTGATCCACCACCTC	1500
Db	6171	GTTTCCACCATATTAGCCCGGCTGTGTGAACCTCCTGACCTCAGGTGATCCACCACCTC	6230
Qy	1501	AGCCTCTCTAAAGTGTGGGATTAACAGGCATGAGTCAACGGCGCGGCAAGGGTCAAGTGT	1560
Db	6231	AGCCTCTCTAAAGTGTGGGATTAACAGGCATGAGTCAACGGCGCGGCAAGGGTCAAGTGT	6290
Qy	1561	TTAATAAGGAATTAATTTGAATGTTTACTAAACCAACAGGAAACAGACAAAAGCTGTGA	1620
Db	6291	TTAATAAGGAATTAATTTGAATGTTTACTAAACCAACAGGAAACAGACAAAAGCTGTGA	6350
Qy	1621	TAATTTTCAAGGATTTCTTGGGATGGGAAATGGTGCCATGAGCTGCTGCTAGTCCCAGAC	1680
Db	6351	TAATTTTCAAGGATTTCTTGGGATGGGAAATGGTGCCATGAGCTGCTGCTAGTCCCAGAC	6410
Qy	1681	CACGTGCTCTCATCATCTTCTCCCTCATCTCATCTTCTTCCCTCATCTTCTTCCCTCATCTT	1740
Db	6411	CACGTGCTCTCATCATCTTCTCCCTCATCTCATCTTCTTCCCTCATCTTCTTCCCTCATCTT	6470
Qy	1741	CACCATGCTTTTGTGGTAAAGCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAG	1800
Db	6471	CACCATGCTTTTGTGGTAAAGCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAG	6530
Qy	1801	TTCCATTTGGGGCCATCTGTGTGTGTATAGGGAGGAGGCATACCCAGAGACTCCT	1860
Db	6531	TTCCATTTGGGGCCATCTGTGTGTGTATAGGGAGGAGGCATACCCAGAGACTCCT	6590
Qy	1861	TGAAGCCCGCGGAGAGGTTTCTCTCCAGCTGGGGAGGCCCTGCAAGCAACCCGGGGTCC	1920
Db	6591	TGAAGCCCGCGGAGAGGTTTCTCTCCAGCTGGGGAGGCCCTGCAAGCAACCCGGGGTCC	6650
Qy	1921	TGGGTGTCTGAGCAACCTGCGGAGCCGCTGCCACTGTTTGTATTGTTTATCACTCTCTAGG	1980
Db	6651	TGGGTGTCTGAGCAACCTGCGGAGCCGCTGCCACTGTTTGTATTGTTTATCACTCTCTAGG	6710
Qy	1981	GACCTGTTGCTTTCTATTCTGTGTGACTGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT	2040
Db	6711	GACCTGTTGCTTTCTATTCTGTGTGACTGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT	6770
Qy	2041	TATTGAGTACTTATATCTGCCAGACACAGAGCAAAATGGTGAGCAAAAGCAATTAATAGCCA	2100
Db	6771	TATTGAGTACTTATATCTGCCAGACACAGAGCAAAATGGTGAGCAAAAGCAATTAATAGCCA	6830
Qy	2101	CCTACCTCTCGTGGAGTGAAGTTTCTCATGGAAGCGTGCAGAAAGAAATTAATAGCCA	2160
Db	6831	CCTACCTCTCGTGGAGTGAAGTTTCTCATGGAAGCGTGCAGAAAGAAATTAATAGCCA	6890
Qy	2161	GCCAACTTAAACCCAGTGTCTGAAAGAAAGAAATTAACCATCTTTGAAGAAATTTGCGCG	2220
Db	6891	GCCAACTTAAACCCAGTGTCTGAAAGAAAGAAATTAACCATCTTTGAAGAAATTTGCGCG	6950
Qy	2221	AGCATCTTAAACAGGCGCACCTCCCTAGCGCCCTGCTGCTTCCATCTGTCGCCGAGG	2280
Db	6951	AGCATCTTAAACAGGCGCACCTCCCTAGCGCCCTGCTGCTTCCATCTGTCGCCGAGG	7010
Qy	2281	CCCCAAGCCCGAGTCTTCCAAAGCCTCTCTCTTCCATCAGTCAAGCGCTGCAAGTGGCCT	2340
Db	7011	CCCCAAGCCCGAGTCTTCCAAAGCCTCTCTCTTCCATCAGTCAAGCGCTGCAAGTGGCCT	7070

QY 2341 GCCTCGTCCCGTGAATCGTCTCGTGCATCTGAGCTGGAGCTCCTTGGCTCCAGGCT 2400
 Db 7071 GCCTCGTCCCGTGAATCGTCTCGTGCATCTGAGCTGGAGCTCCTTGGCTCCAGGCT 7130
 QY 2401 CCAGAAAGAAATGGAGGGAATAGTCTAACCGAGAACTGGAGGGGACAGTGTTC 2460
 Db 7131 CCAGAAAGAAATGGAGGGAATAGTCTAACCGAGAACTGGAGGGAATCTGGAGGGAATCTGAGTGTTC 7190
 QY 2461 CTCAGAGGAAAGGGGCTCCAGCTCCAGGAGAAATCCAGGAGGTGGGACTGCGAGGAG 2520
 Db 7191 CTCAGAGGAAAGGGGCTCCAGCTCCAGGAGAAATCCAGGAGGTGGGACTGCGAGGAG 7250
 QY 2521 TGGGAGCTGTGGGCTGAGCGGTGTGAAAGGCGAGAAAGTGAAGGCGAAGCTGAA 2580
 Db 7251 TGGGAGCTGTGGGCTGAGCGGTGTGAAAGGCGAGAAAGTGAAGGCGAAGCTGAA 7310
 QY 2581 GCTGCCAGATGTTAGTGTGTTACGGGGCTGGGAGTTCCTGTTGAGC 2640
 Db 7311 GCTGCCAGATGTTAGTGTGTTACGGGGCTGGGAGTTCCTGTTGAGC 2700
 QY 2641 CTTTTTATCTTTCTCTGCTTGGAGGAGAAAGTCTATTTATGAAGGGATGCGAGTTC 2700
 Db 7371 CTTTTTATCTTTCTCTGCTTGGAGGAGAAAGTCTATTTATGAAGGGATGCGAGTTC 7430
 QY 2701 ATAAAGTCACTGTTAAATTCAGGGTGTGCATGGGTTTCTTTCAGGAGGCTTTAT 2760
 Db 7431 ATAAAGTCACTGTTAAATTCAGGGTGTGCATGGGTTTCTTTCAGGAGGCTTTAT 7490
 QY 2761 TTAATGGGAATATAGGAGGAGCTCAATTTCTTGGCCGTTAATTCAGGAGAAAGTGAAC 2820
 Db 7491 TTAATGGGAATATAGGAGGAGCTCAATTTCTTGGCCGTTAATTCAGGAGAAAGTGAAC 7550
 QY 2821 TGGAGTCTTTTCTTCTGCTTGGGCAACTACTCAGCCCTGTGTGAGCTTGGCTTA 2880
 Db 7551 TGGAGTCTTTTCTTCTGCTTGGGCAACTACTCAGCCCTGTGTGAGCTTGGCTTA 7610
 QY 2881 TGCAGACGGTGAACCTTGAATCAGGAGCTCGGTTTCTTCTGCTGCTGCT 2940
 Db 7611 TGCAGACGGTGAACCTTGAATCAGGAGCTCGGTTTCTTCTGCTGCTGCT 7670
 QY 2941 GGTGGCTGTGGCAGCTGGGCAAGTGTCTCTCTTCCCTGGGCACTAGTCTTCTGCT 3000
 Db 7671 GGTGGCTGTGGCAGCTGGGCAAGTGTCTCTCTTCCCTGGGCACTAGTCTTCTGCT 7730
 QY 3001 ATAAAGACCTTGCAGCTCTCGTGTCTGTGAACACTTCCCTGTGATCTCTGTGAGGG 3060
 Db 7731 ATAAAGACCTTGCAGCTCTCGTGTCTGTGAACACTTCCCTGTGATCTCTGTGAGGG 7790
 QY 3061 GGATGTTGAGGGGAGGAGGAGCTGGAGCTGGAGCTGAGCCACAGGGGAGGTGAGGG 3120
 Db 7791 GGATGTTGAGGGGAGGAGGAGCTGGAGCTGGAGCTGAGCCACAGGGGAGGTGAGGG 7850
 QY 3121 GGACAGGAGGAGGAGGAGCTGGGCTGCTCACTGCTCACTGATCACTGATCACTG 3180
 Db 7851 GGACAGGAGGAGGAGGAGCTGGGCTGCTCACTGCTCACTGATCACTGATCACTG 7910
 QY 3181 CAGGACCGAGGAGGAGGAGCTTTCAGGAAAGCTCAATGAACCAACAGGAGGAGGAGG 3240
 Db 7911 CAGGACCGAGGAGGAGGAGCTTTCAGGAAAGCTCAATGAACCAACAGGAGGAGGAGG 7970
 QY 3241 TCCTTAAGCATAGACATGTCATTTGCAATTAACCAAAAGATGAGAGCTAACTGCT 3300
 Db 7971 TCCTTAAGCATAGACATGTCATTTGCAATTAACCAAAAGATGAGAGCTAACTGCT 8030
 QY 3301 GGTAGCTTTTCTGCTGCTTCAAAACTGGGCGAGAGCTGGAATAAGGAGAGATG 3360
 Db 8031 GGTAGCTTTTCTGCTGCTTCAAAACTGGGCGAGAGCTGGAATAAGGAGAGATG 8090
 QY 3361 TTAAGCTTTTCACTTGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3420
 Db 8091 TTAAGCTTTTCACTTGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 8150
 QY 3421 AGTGACCTGCAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3480

Db 8151 AGTGACCTGCAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 8210
 QY 3481 ACAGATTCATTCAAGGCGAGTGGGAAATGACCAAGGAGTATAGTCCACGTGATCTCTGG 3540
 Db 8211 ACAGATTCATTCAAGGCGAGTGGGAAATGACCAAGGAGTATAGTCCACGTGATCTCTGG 8270
 QY 3541 GTTCTAGAGGAGGAGGCTATATGTTGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3600
 Db 8271 GTTCTAGAGGAGGAGGCTATATGTTGGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 8330
 QY 3601 CCTGATTTCTAATCTATATATTTTCTTTTACAGCTGAGTAAATCTGAGGAGGAGTCAAG 3660
 Db 8331 CCTGATTTCTAATCTATATATTTTCTTTTACAGCTGAGTAAATCTGAGGAGGAGTCAAG 8390
 QY 3661 GTAGTAATCTGAGGCTGTAAGATTAATGTTTCTTCTTATTTAGGAACTCTTTTCTCTCT 3720
 Db 8391 GTAGTAATCTGAGGCTGTAAGATTAATGTTTCTTCTTATTTAGGAACTCTTTTCTCTCT 8450
 QY 3721 GGAGTTAGCAGCAGGAGGCAATCCGTTTCTTTTACAGGAGGAGGAGGAGGAGGAGGAG 3780
 Db 8451 GGAGTTAGCAGCAGGAGGCAATCCGTTTCTTTTACAGGAGGAGGAGGAGGAGGAGGAG 8510
 QY 3781 TAAAGCCAAACAGAGTTCAAGGCTAGGCTCTGCTGACTATATGATTTGTTGAGGAGT 3840
 Db 8511 TAAAGCCAAACAGAGTTCAAGGCTAGGCTCTGCTGACTATATGATTTGTTGAGGAGT 8570
 QY 3841 CATTTACGAGTGTGTTACTATCTGATTCAGAAATGAGACTAGTACCTTTGGTCTGAGCTG 3900
 Db 8571 CATTTACGAGTGTGTTACTATCTGATTCAGAAATGAGACTAGTACCTTTGGTCTGAGCTG 8630
 QY 3901 TAAACAAACACCCAGTGTGTAATGTCAGTTTCAAGTTCAGGCTTAACTGCAGAACCAATCAAT 3959
 Db 8631 TAAACAAACACCCAGTGTGTAATGTCAGTTTCAAGTTCAGGCTTAACTGCAGAACCAATCAAT 8690
 QY 3960 AAGATAGAACTTTTAGAGCAAACTGTGTCTTCCACATCTGAGGCTGAGTCTGCCAGG 4019
 Db 8691 AAGATAGAACTTTTAGAGCAAACTGTGTCTTCCAC - TCTGGAGGTGAGTCTGCCAGG 8749
 QY 4020 CAGTTTGGAAATATTTACTTCAAGATTTGACACTGTTGTTGTTTAAACAACATAAAG 4079
 Db 8750 CAGTTTGGAAATATTTACTTCAAGATTTGACACTGTTGTTGTTTAAACAACATAAAG 8809
 QY 4080 TTGCTCAAGGCAATCATTTTCAAGTGGCTTAAAGTTACTTCTGACAGTTTGGTATA 4139
 Db 8810 TTGCTCAAGGCAATCATTTTCAAGTGGCTTAAAGTTACTTCTGACAGTTTGGTATA 8869
 QY 4140 TTTATTTGGCTATTGCTATTGCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 4199
 Db 8870 TTTATTTGGCTATTGCTATTGCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 8929
 QY 4200 GGGATTTAACTTACAGTCCAGAAAGCTGTAATTTGAATGAGGAGGAGGAGGAGGAGGAG 4259
 Db 8930 GGGATTTAACTTACAGTCCAGAAAGCTGTAATTTGAATGAGGAGGAGGAGGAGGAGGAG 8989
 QY 4260 TTGTTTCTTACCACTTCTTAACTTAACTTTTAACTTTTCTTCTTCTTCTTCTTCTTCTTCTT 4319
 Db 8990 TTGTTTCTTACCACTTCTTAACTTAACTTTTAACTTTTCTTCTTCTTCTTCTTCTTCTTCTT 9049
 QY 4320 ACTCAAAGTGGTAAATAACAGTACCTGATTTGTCATTACCAATAGAGGAGGAGGAGGAG 4379
 Db 9050 ACTCAAAGTGGTAAATAACAGTACCTGATTTGTCATTACCAATAGAGGAGGAGGAGGAG 9109
 QY 4380 TTTTATCTATATTAAGTTGTTGAGATACGTTGTTGAGGAGGAGGAGGAGGAGGAGGAGGAG 4439
 Db 9110 TTTTATCTATATTAAGTTGTTGAGATACGTTGTTGAGGAGGAGGAGGAGGAGGAGGAGGAG 9169
 QY 4440 ACTTTGAAATTAAGCTCTCTGCTGATCTTGTGTTTAACTATTAATAAACAATGTTTAA 4499
 Db 9170 ACTTTGAAATTAAGCTCTCTGCTGATCTTGTGTTTAACTATTAATAAACAATGTTTAA 9229
 QY 4500 AATTTTGTATTTTGTATTAATCAATTTCTATTAATCAATTTGTTTCTTTCTTTCTTTCTTTT 4559

[illegible]

Db	2041	TATTGAGTACTTATATCTGCGACACACGAGACAAAATGGTGAGCAAGCGAGTCACTGC	2100
Qy	2101	CCTACCTTCCTGGAGGTGACAGTTTTCTCATGGAAGACGTGCAGAAAGAAATTAATAGCCA	2160
Db	2101	CCTACCTTCGTGGAGGTGACAGTTTTCTCATGGAAGACGTGCAGAAAGAAATTAATAGCCA	2160
Qy	2161	GCACACTTAAACCCAGTGTCTGAAAGAAAGAAATAAACCCATCTTTGAAGAAATTTGCGCG	2220
Db	2161	GCACACTTAAACCCAGTGTCTGAAAGAAAGAAATAAACCCATCTTTGAAGAAATTTGCGCG	2220
Qy	2221	AGCATCCCTTAAACAGGCGACCTCCCTAGCGCCCCCTGCTGCTCCTCATCGTCCCGGAGG	2280
Db	2221	AGCATCCCTTAAACAGGCGACCTCCCTAGCGCCCCCTGCTGCTCCTCATCGTCCCGGAGG	2280
Qy	2281	CCCCAAGCCGAGTCTTCCAAGCCTCCTCCATCAGTCAAGCGCTGCAGCTGGCCT	2340
Db	2281	CCCCAAGCCGAGTCTTCCAAGCCTCCTCCATCAGTCAAGCGCTGCAGCTGGCCT	2340
Qy	2341	GCCTCGCTTCCCGTGAATCGTCTCGTGTGATCTGAGCTGGAGACTCTCTTGGTCCAGGCT	2400
Db	2341	GCCTCGCTTCCCGTGAATCGTCTCGTGTGATCTGAGCTGGAGACTCTCTTGGTCCAGGCT	2400
Qy	2401	CCGAAAGGAAATGGAGAGGAACTAGTCTAACCGAGAAATCTGGAGGGGACAGTCTTTTC	2460
Db	2401	CCGAAAGGAAATGGAGAGGAACTAGTCTAACCGAGAAATCTGGAGGGGACAGTCTTTTC	2460
Qy	2461	CTCAGAGGAAAGGGGCTCCACGTCCAGAGAAATTCAGGAGGTGGGACTGCAGGGAG	2520
Db	2461	CTCAGAGGAAAGGGGCTCCACGTCCAGAGAAATTCAGGAGGTGGGACTGCAGGGAG	2520
Qy	2521	TGGGGACGCTGGGGCTGAGCGGTGTCTGAAAGCGAGAAAGGTGAAGGCGAAGGCTGAA	2580
Db	2521	TGGGGACGCTGGGGCTGAGCGGTGTCTGAAAGCGAGAAAGGTGAAGGCGAAGGCTGAA	2580
Qy	2581	GCTGCCAGATGTTCAGTGTGTTTCACGGGCTGGGAGTTTTCCGTGCTTCTGTGTGAGC	2640
Db	2581	GCTGCCAGATGTTCAGTGTGTTTCACGGGCTGGGAGTTTTCCGTGCTTCTGTGTGAGC	2640
Qy	2641	CTTTTATCTTTTCTCTGCTTGGAGGAGAAAGTCTATTTCATGAGGAGTGCAGTTTC	2700
Db	2641	CTTTTATCTTTTCTCTGCTTGGAGGAGAAAGTCTATTTCATGAGGAGTGCAGTTTC	2700
Qy	2701	ATAAGTCAGCTGTATAATTCAGGGTGTGCATGGGTTTTCTTTCAGAGGCCCTTTAT	2760
Db	2701	ATAAGTCAGCTGTATAATTCAGGGTGTGCATGGGTTTTCTTTCAGAGGCCCTTTAT	2760
Qy	2761	TTAATGGGAATATAGGAAGCGAGCTAATTTCTTAGGCCGTTAATTCACGAGAAAGTGAC	2820
Db	2761	TTAATGGGAATATAGGAAGCGAGCTAATTTCTTAGGCCGTTAATTCACGAGAAAGTGAC	2820
Qy	2821	TGAGTCTTTTCTTTTCTGCGGCAACTACTCAGCCCTGTGTGAGCTTGGCTTA	2880
Db	2821	TGAGTCTTTTCTTTTCTGCGGCAACTACTCAGCCCTGTGTGAGCTTGGCTTA	2880
Qy	2881	TGCAAGACGCTGCAAAACCTTGGAAATCAGAGACTCGGTTTTCTTCTGGTCTGCAATT	2940
Db	2881	TGCAAGACGCTGCAAAACCTTGGAAATCAGAGACTCGGTTTTCTTCTGGTCTGCAATT	2940
Qy	2941	GGTTGGCTGTGGACCGTGGGCAAGTGTCTCTCTTCCCTGGGCCATAGTCTTCTCTGCT	3000
Db	2941	GGTTGGCTGTGGACCGTGGGCAAGTGTCTCTCTTCCCTGGGCCATAGTCTTCTCTGCT	3000
Qy	3001	ATAAAGACCTTGCAGCTCTCGTGTTCTGTGAAACACTTCCCTGTGATTTCTGTGAGGG	3060
Db	3001	ATAAAGACCTTGCAGCTCTCGTGTTCTGTGAAACACTTCCCTGTGATTTCTGTGAGGG	3060
Qy	3061	GGATGTTGAGAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	3120
Db	3061	GGATGTTGAGAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	3120
Qy	3121	GGACAGAAAGGCAGGAGAGCTGGGTGCTCCATCAGTCTCTCATCTGATCACGTCACACTC	3180
Db	3121	GGACAGAAAGGCAGGAGAGCTGGGTGCTCCATCAGTCTCTCATCTGATCACGTCACACTC	3180

Qy	4930	ATATAA	CTAGAA	TATAT	CTCTGT	TGAAAT	CAGCA	CCACG	TGATG	TCTG	TGTAAG	TGT	4989
Db	1499	ATATAA	CTAGAA	TATAT	CTCTGT	TGAAAT	CAGCA	CCACG	TGATG	TCTG	TGTAAG	TGT	1558
Qy	4990	GTGTAC	GTGTG	TGTGT	GTGTG	TGTGTG	TGTGTG	TGTGTG	TGTGTG	TGTGTG	TGTGTG	TGTGTG	5049
Db	1559	GTGTAC	GTGTG	TGTGT	GTGTG	TGTGTG	TGTGTG	TGTGTG	TGTGTG	TGTGTG	TGTGTG	TGTGTG	1618
Qy	5050	TTATNT	GGGTAT	GGGTG	GCAT	TAAAT	TGGGAT	GTCTCT	TTT	TAAAA	AGAACT	CTCCAA	5109
Db	1619	TTATNT	GGGTAT	GGGTG	GCAT	TAAAT	TGGGAT	GTCTCT	TTT	TAAAA	AGAACT	CTCCAA	1678
Qy	5110	TTCTG	GAAAG	GTAT	TTTTCT	TAA	GAAT	CTTGT	CTG	GCGAG	CGTGA	AGCGCA	5169
Db	1679	TTCTG	GAAAG	GTAT	TTTTCT	TAA	GAAT	CTTGT	CTG	GCGAG	CGTGA	AGCGCA	1738
Qy	5170	AGCCCC	ACCCAG	CTC	ACGT	GGCCAC	CTCTGT	CTCT	TTCCCC	ATGA	AGGGCT	TGGCTCCC	5229
Db	1739	AGCCCC	ACCCAG	CTC	ACGT	GGCCAC	CTCTGT	CTCT	TTCCCC	ATGA	AGGGCT	TGGCTCCC	1798
Qy	5230	TATATA	AAACCT	CTCT	GGAG	CTCG	GGGCAT	GAGC	CAGC	CAAG	5271		
Db	1799	TATATA	AAACCT	CTCT	GGAG	CTCG	GGGCAT	GAGC	CAGC	CAAG	1840		

RESULT 10

US-10-017-870-10
; Sequence 10, Application US/10017870
; Publication No. US20030165857A1
; GENERAL INFORMATION:
; APPLICANT: HUANG, DOUG HUI
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TIGR GENOTYPING ASSAYS
; FILE REFERENCE: 034827-1401
; CURRENT APPLICATION NUMBER: US/10/017,870
; CURRENT FILING DATE: 2001-12-12
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 2800
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-017-870-10

Query Match	34.2%	Score 1804.4	DB 6	Length 2800	
Best Local Similarity	99.8%	Pred. No. 0			
Matches 1838	Conservative 0	Mismatches 1	Indels 3	Gaps 3	
Qy	3431	AGCCAGGGGAGGAGAGAAAAAGAGAGGGGATGTGTATGACGCAAGAAAGACAGATTTCAT	3490		
Db	1	AGCCAGGGGAGGAGAG-AAAAGAGAGGGATGTGTATGACGCAAGAAAGACAGATTTCAT	59		
Qy	3491	TCAAGGGCAGTGGGAATTGACCA CAGGGATTTAGTCCAGTGATCTCTGGTTCTTAGAG	3550		
Db	60	TCAAGGGCAGTGGGAATTGACCA CAGGGATTTAGTCCAGTGATCTCTGGTTCTTAGAG	119		
Qy	3551	GCAGGGCTATATTCTGGGGGAAAAAATCAGTTC AAGGGAAGTCGGGAGACCTGATTCT	3610		
Db	120	GCAGGGCTATATTCTGGGGGAAAAAATCAGTTC AAGGGAAGTCGGGAGACCTGATTCT	179		
Qy	3611	AAATCTATATTTTTCTTTTCAAGCTCAGTAAATCTGACGCAAGTTCACAAGGTAGTAAC TG	3670		
Db	180	AAATCTATATTTTTCTTTTCAAGCTCAGTAAATCTGACGCAAGTTCACAAGGTAGTAAC TG	239		
Qy	3671	AGGCTGTAAGATTACTTGTAGTTTCTCCTTATTAGGAACTCTTTTTCTCTGGGAGTTAGCA	3730		
Db	240	AGGCTGTAAGATTACTTGTAGTTTCTCCTTATTAGGAACTCTTTTTCTCTGGGAGTTAGCA	299		
Qy	3731	GCACAAGGGCAATCCCGTTTCTTTTAA CAGGAGAAAAATTCCTAAGAGTAAGGCCAAA	3790		
Db	300	GCACAAGGGCAATCCCGTTTCTTTTAA CAGGAGAAAAATTCCTAAGAGTAAGGCCAAA	359		
Qy	3791	CAGATTCAAGCCTAGGTCCTTGCTGACTATATGATGTGTTTTTTTGAAAAATTCATTTTCAGCG	3850		

360	DB		CAGATTCAAGCCTAGGCTTTGCTGACTATATGATGGTGTGTTTGGAAAAATCAATTTTCAGCG	419
3851	QY		ATGTTTACTATCTGATTGAGAAATGAGACTAGTACCCCTTTGGTTCAGCTGTGTAACAAACA	3910
420	DB		ATGTTTACTATCTGATTGAGAAATGAGACTAGTACCCCTTTGGTTCAGCTGTGTAACAAACA	479
3911	QY		CCGAGTTGTAATGCTCTCAAGTTCAAGGCTTAACTGCAGAAACCAATCAAA-AAGAAATAGAA	3969
480	DB		CCCATTTGTAATGCTCTCAAGTTCAAGGCTTAACTGCAGAAACCAATCAAAATAGAA	539
3970	QY		TCATTAGAGCAACTGTTTCTCCACATCTGAGAGTGAGTCTGCCAGGCGAGTTTGGAA	4029
540	DB		TCATTAGAGCAACTGTTTCTCCAC-TC TGAGGTGAGTCTGCCAGGCGAGTTTGGAA	598
4030	QY		ATAATTACTTCACAAGTATTGACACTGTTGTTGGTATTAAACAACATATAAGTTCCTCAAAG	4089
599	DB		ATAATTACTTCACAAGTATTGACACTGTTGTTGGTATTAAACAACATATAAGTTCCTCAAAG	658
4090	QY		GCAATCATTTTCAAGTGGCTTAAAGTTACTTCTGACAGTTTGGTATATTATTATTTGGCT	4149
659	DB		GCAATCATTTTCAAGTGGCTTAAAGTTACTTCTGACAGTTTGGTATATTATTATTTGGCT	718
4150	QY		ATTGCCAATTTGCTTTTGTGTTTTCCTTTTGGGTTATTAAATGCTAAAGCAGGGAATTATTA	4209
719	DB		ATTGCCAATTTGCTTTTGTGTTTTCCTTTTGGGTTATTAAATGCTAAAGCAGGGAATTATTA	778
4210	QY		ACCTACAGTCCAGAAAGCCGTGCAATTTGCAATGAGGAAAAAAATTACATTTTGTGTTTTTAC	4269
779	DB		ACCTACAGTCCAGAAAGCCGTGCAATTTGCAATGAGGAAAAAAATTACATTTTGTGTTTTTAC	838
4270	QY		CACCTTCTAACTAAATTTAAACATTTTATTCATTGCGAATAGAGCCATAAACTCAAAGTG	4329
839	DB		CACCTTCTAACTAAATTTAAACATTTTATTCATTGCGAATAGAGCCATAAACTCAAAGTG	898
4330	QY		GTAATAACAGTACTGTGATTTTGTGCTATTAACAAATAGAAATCACAGACATTTTATCTAT	4389
899	DB		GTAATAACAGTACTGTGATTTTGTGCTATTAACAAATAGAAATCACAGACATTTTATCTAT	958
4390	QY		ATTACAGTCTGTCAGATAGTTGTAAGTGAATAATTTATATCTCAAAACTCTCTTTGAAAT	4449
959	DB		ATTACAGTCTGTCAGATAGTTGTAAGTGAATAATTTATATCTCAAAACTCTCTTTGAAAT	1018
4450	QY		TAGACCTCTCTGCTGATCTTGTGTTTTTAAACATATTAAATAAAACATGTTAAAAATTTTGATA	4509
1019	DB		TAGACCTCTCTGCTGATCTTGTGTTTTTAAACATATTAAATAAAACATGTTAAAAATTTTGATA	1078
4510	QY		TTTTGATAATCATATTTCAATATCATTTGTTTCTTTGTAATCTATATTTTATATATTG	4569
1079	DB		TTTTGATAATCATATTTCAATATCATTTGTTTCTTTGTAATCTATATTTTATATATTG	1138
4570	QY		AAAACATCTTCTGAGAGAGTTCCACAGATTTCCCAATGAGGTCTTGGCATGCACAC	4629
1139	DB		AAAACATCTTCTGAGAGAGTTCCCAATGAGGTCTTGGCATGCACAC	1198
4630	QY		ACACAGATGAAGAACTGATTTAGAGGCTAACTGACATTTGCTGCTGAGATGCAAGACT	4689
1199	DB		ACACAGATGAAGAACTGATTTAGAGGCTAACTGACATTTGCTGCTGAGATGCAAGACT	1258
4690	QY		GAAATTTAGAAAGTTCTCCCAAGATACACAGTTGTTTTTAAAGCTAGGGGTGAGGGGGAA	4749
1259	DB		GAAATTTAGAAAGTTCTCCCAAGATACACAGTTGTTTTTAAAGCTAGGGGTGAGGGGGAA	1318
4750	QY		ATCTGCGCTTCTATAGGAATGCTCTCCCTGGAGCTGATAGGTGCTGCTCTGCTGTTTC	4809
1319	DB		ATCTGCGCTTCTATAGGAATGCTCTCCCTGGAGCTGATAGGTGCTGCTCTGCTGTTTC	1378
4810	QY		TGGCTGGCTGTTTATTTTCTCTGCTCCCTACTACGCTTTAAAGGACTCTGTTTGGATCTCCA	4869
1379	DB		TGGCTGGCTGTTTATTTTCTCTGCTCCCTACTACGCTTTAAAGGACTCTGTTTGGATCTCCA	1438
4870	QY		GTTCTTAGCATAGTGCCTGGCAAGTGCAGGTTCTCAATGAGTTTGCAGAGTGAATGAA	4929

RESULT 14

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US-10-956-243-1
; Sequence 1, Application US/10956243
; Publication No. US20050123960A1
; GENERAL INFORMATION:
; APPLICANT: Stone, Edwin M.
; APPLICANT: Sheffield, Val C.
; APPLICANT: Alward, Wallace L.M.
; APPLICANT: Fingert, John
; TITLE OF INVENTION: GLAUCOMA THERAPEUTICS AND DIAGNOSTICS
; FILE REFERENCE: 21087.0017u11
; CURRENT APPLICATION NUMBER: US/10/956,243
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: US/09/952,464
; PRIOR FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: 09/473,273
; PRIOR FILING DATE: 1999-12-28
; PRIOR APPLICATION NUMBER: 09/461,542
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: 09/366,952
; PRIOR FILING DATE: 1999-08-04
; PRIOR APPLICATION NUMBER: 09/056,285
; PRIOR FILING DATE: 1998-04-07
; PRIOR APPLICATION NUMBER: 08/822,999
; PRIOR FILING DATE: 1997-03-21
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2800
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; No
US-10-956-243-1

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Query Match

34.2%; Score 1804.4; DB 9; Length 2800;

Best Local Similarity 99.8%; Pred. No. 0;		Matches 1838; Conservative 0; Mismatches 1; Indels 3; Gaps 3;	
QY	3431	AGCGCAGGGGAGGAGAAAGAGAGAGGAGATAGTGTATGACGCAAGAAAGACAGATTTCAT	3490
DB	1	AGCGCAGGGGAGGAGAG-AAAAGAGAGGAGATAGTGTATGAGCAGAGAAAGACAGATTTCAT	59
QY	3491	TCAAGGGCAGTGGGAATTGACCAAGGGATTATAGTCCACGTGATCCTCGGTTCTTAGGAG	3550
DB	60	TCAAGGGCAGTGGGAATTGACCAAGGGATTATAGTCCACGTGATCCTCGGTTCTTAGGAG	119
QY	3551	GCAGGGCTATATTGTGGGGGGAAAAAATCAGTTCAAGGGAGAGTCGGGAGACCTGATTTCT	3610
DB	120	GCAGGGCTATATTGTGGGGGGAAAAAATCAGTTCAAGGGAGAGTCGGGAGACCTGATTTCT	179
QY	3611	AATACTATATTTTTCTTTTCAACAGCTGAGTAATCTTGAGCAGAGTCACAAGGTAGTAACCTG	3670
DB	180	AATACTATATTTTTCTTTTCAACAGCTGAGTAATCTTGAGCAGAGTCACAAGGTAGTAACCTG	239
QY	3671	AGGCTGTAAGATTACTTAGTTTCTCCTTATTAGAAATCTTTTTCTCTGGAGTTAGCA	3730
DB	240	AGGCTGTAAGATTACTTAGTTTCTCCTTATTAGAAATCTTTTTCTCTGGAGTTAGCA	299
QY	3731	GCACAAGGGCAATCCCGTTTCTTTTAAACAGGAAGAAAAATTCCTTAAGAGTAAGCCAAA	3790
DB	300	GCACAAGGGCAATCCCGTTTCTTTTAAACAGGAAGAAAAATTCCTTAAGAGTAAGCCAAA	359
QY	3791	CAGATTCACGCTAGGTCGTGACTATATGATTTGGTTTTTGAATAATCATTTTCAGCG	3850
DB	360	CAGATTCACGCTAGGTCGTGACTATATGATTTGGTTTTTGAATAATCATTTTCAGCG	419
QY	3851	ATGTTTACTATCTGATTCAGAAAATCAGACTAGTACCCCTTTGGTCAGCTGTAAACAAACA	3910
DB	420	ATGTTTACTATCTGATTCAGAAAATCAGACTAGTACCCCTTTGGTCAGCTGTAAACAAACA	479
QY	3911	CCCAGTTGTAAATGTCTCAAGTTTCAGGCTTAACTGCAGAAACCAATCAAA-AAAGATAGAA	3969
DB	480	CCCAGTTGTAAATGTCTCAAGTTTCAGGCTTAACTGCAGAAACCAATCAAAATAAGATAGAA	539
QY	3970	TCCTTAGACAAACTGTGTTTCTCCACATCTGGAGGTGAGTCTGCCAGGGCAGTTTGGAA	4029
DB	540	TCCTTAGACAAACTGTGTTTCTCCAC-TCTGGAGGTGAGTCTGCCAGGGCAGTTTGGAA	598
QY	4030	ATATTTACTTCAAGAGTATTGACATGTTGTTGGTATTAAACAAATAAAGTTGCTCAAG	4089
DB	599	ATATTTACTTCAAGAGTATTGACATGTTGTTGGTATTAAACAAATAAAGTTGCTCAAG	658
QY	4090	GCAATCATTTTCAAGTGGCTTAAAGTTACTTCTGCACAGTTTGGTATATTTATTTGGCT	4149
DB	659	GCAATCATTTTCAAGTGGCTTAAAGTTACTTCTGCACAGTTTGGTATATTTATTTGGCT	718
QY	4150	ATTGGCAATTGCTTTTGTGTTTTTCTCTTTGGGTTTATTAAATGTAAAGCAGGATATTAT	4209
DB	719	ATTGGCAATTGCTTTTGTGTTTTTCTCTTTGGGTTTATTAAATGTAAAGCAGGATATTAT	778
QY	4210	ACCTCAGCTCCAGAAAGCCTGTGAATTTGAAATGAGCAAAAAATTACATTTTGTGTTTTTAC	4269
DB	779	ACCTCAGCTCCAGAAAGCCTGTGAATTTGAAATGAGCAAAAAATTACATTTTGTGTTTTTAC	838
QY	4270	CACCTTCTAACTAAATTTTAAACATTTTATTTCCATTCGAAATAGAGCCATAAACTCAAAGTG	4329
DB	839	CACCTTCTAACTAAATTTTAAACATTTTATTTCCATTCGAAATAGAGCCATAAACTCAAAGTG	898
QY	4330	GTAATAACAGTACCTGTGATTTTGTTCATTACCAATAGAAAATCACAAGCATTTTATCTAT	4389
DB	899	GTAATAACAGTACCTGTGATTTTGTTCATTACCAATAGAAAATCACAAGCATTTTATCTAT	958
QY	4390	ATTACAGTTGTTGCAGATACGTTGTAAGTGAATAATTTTATCTCAAACTACTCTTGAAT	4449
DB	959	ATTACAGTTGTTGCAGATACGTTGTAAGTGAATAATTTTATCTCAAACTACTCTTGAAT	1018
QY	4450	TAGACCTCTCTGCTGATCTGTGTTTTTAAACATATTAATAAAAAATGTTTAAAAATTTTGATA	4509

Db 1019 TAGACCTCTCGTGGATCTTTTAAACATATAATAAAACATGTTTAAATTTTGATA 1078
Qy 4510 TTTTGATAATCATATTCATTATCATTTGTTCTTTGTAATCTATATTTTATATATTG 4569
Db 1079 TTTTGATAATCATATTCATTATCATTTGTTCTTTGTAATCTATATTTTATATATTG 1138
Qy 4570 AAAACATCTTTCTGAGAGAGTCCCCAGATTTCCCAATGAGGTTCTTTGGCATGCAC 4629
Db 1139 AAAACATCTTTCTGAGAGAGTCCCCAGATTTCCCAATGAGGTTCTTTGGCATGCAC 1198
Qy 4630 ACACAGAGTAAGAACTGATTTAGAGGCTTAACATTTGACATTTGGCTGACATCAAGACT 4689
Db 1199 ACACAGAGTAAGAACTGATTTAGAGGCTTAACATTTGACATTTGGCTGACATCAAGACT 1258
Qy 4690 GAAATAGAAAGTTCTCCCAAGATACACAGTTGTTTAAAGCTAGGGGTGAGGGGGAA 4749
Db 1259 GAAATAGAAAGTTCTCCCAAGATACACAGTTGTTTAAAGCTAGGGGTGAGGGGGAA 1318
Qy 4750 ATCTGCGCTTCTATAGGAATGCTCTCCCTGGAGCCTGGTAGGGTGTCTTGTGTTC 4809
Db 1319 ATCTGCGCTTCTATAGGAATGCTCTCCCTGGAGCCTGGTAGGGTGTCTTGTGTTC 1378
Qy 4810 TGCTGGCTGCTATTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 4869
Db 1379 TGCTGGCTGCTATTTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1438
Qy 4870 GTTCTAGCATAGTGCCTGGCAGAGTCTCAATGAGTTTGCAGAGTGAATGGAA 4929
Db 1439 GTTCTAGCATAGTGCCTGGCAGAGTCTCAATGAGTTTGCAGAGTGAATGGAA 1498
Qy 4930 ATATAAAGTAAGAAATATCTTGTGTAAGTCAAGACACACAGTAGTCTGCTGCTGCTGCTGCT 4989
Db 1499 ATATAAAGTAAGAAATATCTTGTGTAAGTCAAGACACACAGTAGTCTGCTGCTGCTGCTGCT 1558
Qy 4990 GTCTAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 5049
Db 1559 GTCTAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1618
Qy 5050 TTATGGGGTATGGGTGCATAAATTTGGGATGTTCTTTTAAAGAACTCCAAACAGAC 5109
Db 1619 TTATGGGGTATGGGTGCATAAATTTGGGATGTTCTTTTAAAGAACTCCAAACAGAC 1678
Qy 5110 TTCTGGAAGTTATTTTCTAAGAACTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 5169
Db 1679 TTCTGGAAGTTATTTTCTAAGAACTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1738
Qy 5170 AGCCCCCAGCCTCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 5229
Db 1739 AGCCCCCAGCCTCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1798
Qy 5230 TATATATAAACCCTCTCTGGAGCTCGGGCATGAGCCAGCAAGG 5271
Db 1799 TATATATAAACCCTCTCTGGAGCTCGGGCATGAGCCAGCAAGG 1840

RESULT 15
US-09-925-065A-905501
; Sequence 905501, Application US/09925065A
; Publication No. US20050228172A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766

; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 905501
; LENGTH: 632
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-905501

Query Match 12.0%; Score 631.6; DB 4; Length 632;
Best Local Similarity 99.8%; Pred. No. 1.1e-145;
Matches 631; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1284 TGAGGGTCTGTGCTTTACACCTTACCTGATGCTTACACCTGAGTCTCACTGAGTCTCACTGAACTCTG 1343
Db 1 TCAGGGTCTGTGCTTTACACCTTACCTGATGCTTACACCTGAGTCTCACTGAGTCTCACTGAACTCTG 60
Qy 1344 CCTCCAGGTTCAAGCAATTCCTGCTCTCAGCCTCCCGCTAGCTGGGACTACAGGCG 1403
Db 61 CCTCCAGGTTCAAGCAATTCCTGCTCTCAGCCTCCCGCTAGCTGGGACTACAGGCG 120
Qy 1404 AGCCCGGCTAATTTTGTATTGTTAGTAGAGATGGGGTTTCAACATATTAGCCCGGCTG 1463
Db 121 AGCCCGGCTAATTTTGTATTGTTAGTAGAGATGGGGTTTCAACATATTAGCCCGGCTG 180
Qy 1464 GTCTTGAATCTCTGACCTCAGGTGATCCACCCACCTCAGCCTCTTAAAGTGTGGGATTA 1523
Db 181 GTCTTGAATCTCTGACCTCAGGTGATCCACCCACCTCAGCCTCTTAAAGTGTGGGATTA 240
Qy 1524 CAGGATGATGATCAGCGCGCCCGCCAGGGTCAAGGGTCAAGGGTCAAGGGTCAAGGGTCAAGGGT 1583
Db 241 CAGGATGATGATCAGCGCGCCCGCCAGGGTCAAGGGTCAAGGGTCAAGGGTCAAGGGTCAAGGGT 300
Qy 1584 TTTTACTAAACCAAGGAAACAGACAAAGCTGTGATAATTTCAAGGATTTCTGGGATG 1643
Db 301 TTTTACTAAACCAAGGAAACAGACAAAGCTGTGATAATTTCAAGGATTTCTGGGATG 360
Qy 1644 GGGAAATGCTGATGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1703
Db 361 GGGAAATGCTGATGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
Qy 1704 CCTCATCTCTATTTTCAGGCTAAGTTACCATTTTATTTTCCATTTTCCATTTTCCATTTTCCATTTTCC 1763
Db 421 CCTCATCTCTATTTTCAGGCTAAGTTACCATTTTATTTTCCATTTTCCATTTTCCATTTTCCATTTTCC 480
Qy 1764 CCACATCTGTTACTGAAATAAGAGTATACATAAACTAGTTTCCATTTTGGGGCCATCTGTGTG 1823
Db 481 CCACATCTGTTACTGAAATAAGAGTATACATAAACTAGTTTCCATTTTGGGGCCATCTGTGTG 540
Qy 1824 TGTGTATAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1883
Db 541 TGTGTATAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 600
Qy 1884 TCTCCAGCTGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1915
Db 601 TCTCCAGCTGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 632

Search completed: January 26, 2006, 10:09:05
Job time : 2632 secs

Db 3041 TTCTCCACAGGGCC-----CATTTCTGGGCTTAGAGGAGAACGGTTCTATCTTATGA 3093

QY 2687 AGGATGCGATTTTCAATAAGTACGCTGTTAAATTCACGGGTGTCATGGGTTTCTCTTC 2746
Db |||||
QY 3094 AAGATGCGATTTTCAATAAGTACGCTGTTAAATTCACGGGTGTCATGGGTTTCTCTTC 3153
Db |||||
QY 2747 ACAGAGCCCTTTTAAATGGAATATAGGAAGGAGCTCATTTCTAGGCGGTTAAATTC 2806
Db |||||
QY 3154 ACTGAAGGCTTTTCAATTTACTGG-----GGAAGCAAGTTTCAATTTCTAGGCAATGGCTC 3208
QY 2807 ACCGAAGAAGTGAAGTGGGTTCTTTTCTTCTATCTTCTTGGGCAACTACTACGCCCTGTG 2866
Db |||||
QY 3209 ATGGGAGAGTGAAGTGAAGTGGTCTCATGAC-----TTTGTGGCAAGTGGTGGCAATTC 3264
QY 2867 GTGGACTTGGCTTATGCAAGACGGTGAAGAACCTTGAATCAGGAGCTCGTTTCTTT 2926
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QY 3265 TCTGACTTGGCTGACATGAAGGT--GAAGCCTGGGATTCAGG-----GGTGTCTCTT 3317
QY 2927 CTGGTTCTGCCATT--GGTTGCTGTGCGACCGTGGCAAGTGTCTCTCTTCCCTGGG 2983
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QY 3318 CTGGCAATGCTATTTAGCCTTGGCTGTGTGACCGGCAAGGAGTCTCTCTCTTCCGG 3377
QY 2984 CCATAGTCTTCTCTGCTTATAAGACCCCTTGACGCTCTCTGTTTCTGTGAACACTTCCCTG 3043
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QY 3378 GCTTTAGTTTGTCTCACTCGAAGGCGCCGCGGTTCTG----- 3423
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QY 3424 -----TATGTAGGAGAGCTGAGAACTGGTAGGGCTGGGCTCAATCA-----CT 3469
QY 3104 ACAGGGAGTGTGAGGGGGGACAGAGGAGGAGGAGCTGGGTTCTCAATCACTCTCA 3163
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QY 3470 GAGCGTGAAGAGTGGCTTGGTTGGTGGAGGAGGAGTGGATGCTCCATCACTCTCTA 3529
QY 3164 CTGATCACGTGACAGCTCCAGGACCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3223
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QY 3530 CCTGCCCTCCGAGGTGGG-----GAGAGCGGAGTGAAGAGGCGGCTCAACAAC 3584
QY 3224 AACAGCCACATTTTCTTCCCTTAAGCATAGACATGCAATGCTTCCATACCAAGAA 3283
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QY 3585 AAGAGAAATCCCTATCTTCTTCCCTTAAGCATAT--GCATCTGCGAGGAACTAGGAGAA 3643
QY 3284 TGACAGACTAACTGGTGGTAGCTTTTCTGCTGCAATTCACAAACTGGGCGAGCAAGTG 3343
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QY 3644 AGACAGCTGACAGGTG-----TCTGTCTGGGTATCTACAATGGGCTGGAGTGAGC 3699
QY 3344 GAAATCCAGAGATTTTAAATCTTTTACCCTGACAGACCCCGAGCTGACAGCT 3403
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QY 3700 GGAATCCAGGACCGTGTGCTATTTTCACTTCCCTGGCCAGATCCACACAGCCGCAAC 3759
QY 3404 GACTGTCAGACGAGTGAAGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3463
Db |||||
QY 3760 GGCTGCTGGTGTGGCAGACTAACTGCAAGTGTACAGGCGGACGCTGAAGGGGAGTGAAG-- 3817
QY 3464 GTGTATGAGCAAGAAAGACAGATTCATTCAAGGCGAGTGGGATTTGACACAGGATAT 3523
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QY 3918 -----GAAAGACAGAGATCTACAAGACAGACGCGGCTGACTGTAG 3861
QY 3524 AGTCCAGTATCTGGTGTCTAGGAGGCGAGGCTATATTGTGGGGGAGGAGGAGGAGGAGG 3583
Db |||||
QY 3862 AGGACGGGCAAGCATGATGCTGGTCTTAAGCTGTCTGTGTGGGGGAGGAGG-----AAAT 3918
QY 3584 CAAGGGAAGTGGGAGACCTGATTTCTAATACTATATTTTCTTCTTACAGCTGAGTAAT 3643
Db |||||
QY 3919 TGACTCAAGTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3976
QY 3644 TCTGAGCAAGTCAAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 3703
Db |||||
QY 3977 CC-----CTCTGCTTACATCTC-----TTTCCA 4001
QY 3704 GAATCTTTTCTCTGTGGAGTTAGACAGCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3763
Db |||||
QY 4002 GAATCTTTTCTCTACTACAGCTGGCAGGAGCAAGATCAT--CTTGTCTTCTTCAAGAGAA 4059
QY 3764 GAAACATCTTAAGAGTAAGCCCAACAGAGTTCAGGCTAGGCTTCTGCTGACTATATGA 3823

Db 4050 AGAAATTTTCTAAGAGTATAGGCAATAGATTTGAACTCATCTCTGCTGACTATGGA 4119
QY 3824 TTGGTTTTTGAATAATCATTTACGCGATGTTTACTATCTGATTCAGAAATAGAGACTAG 3883
Db |||||
QY 4120 TTGTTTTTAAATAATCATTTTACGTA-----ATTCTGATTTACGAAAGAGAACAG 4172
QY 3884 TACCTTTTGGTCAGCTGTAAACAAACACCCAGTTGTAATGCTCAAGTTCAAGCTTCA 3941
Db |||||
QY 4173 CACTTGTAGTACAGGATTAACAGGAGGCGGTTCTTACGTCGCCAGGCTCAGGTTTA 4230

RESULT 2
US-10-995-561-13364/C
; Sequence 13364, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13364
; LENGTH: 86361
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(86361)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables
US-10-995-561-13364

Query Match 3.5%; Score 185.4; DB 7; Length 86361;
Best Local Similarity 79.9%; Pred. No. 2e-31;
Matches 234; Conservative 0; Mismatches 51; Indels 8; Gaps 1;

QY 1290 TCTGTCTTACACCTACCTGATGATCTTACACCTGAGCTACCTGCAACCTCTGCTCCC 1349
Db |||||
QY 10562 TCTGTGCTAGCTGAGTGCAGTGGCATGATCTCAGCTTACTGCAACTCTGCTCCC 10503
QY 1350 AGTTTCAAGCAATTTCTCTGCTCTCAGCTCCCGGTAGCTGGAGCTACAGGCG----- 1402
Db |||||
QY 10502 AGTTTCAAGTGAATTTCTCTGCTCTCTGCTGCTGGGTTGCTGGGCTATAGGCGGTACCA 10443
QY 1403 -CACGCCCGCTAAATTTTGTATTTAGTAGAGATGGGTTTCAACATATTAGCCCGGC 1461
Db |||||
QY 10442 CCATGCCCGCTAAATTTTGTATTTTGTAGTAGAGATGGGTTTCAACATATTGGCTAGGC 10383
QY 1462 TGGTCTTGAATCTCTGACCTCAGGCTGATCCACCCAGCTCAGCTCTCAAGTCTGGGAT 1521
Db |||||
QY 10382 TGGTCTTGAATCTCTGACCTCAGGCTGATCCGCCACCTCGGCTCCCAAGTCTGGGAT 10323
QY 1522 TACAGGCTAGTCAAGCGGCGGCGGCGGCGGCTGAGTTTAAATAGGAATAA 1574
Db |||||
QY 10322 TACAGGCTAGTCAAGCGGCGGCGGCGGCGGCTGAGTTTAAATAGGAATAA 10270

RESULT 3
US-11-112-908-30
; Sequence 30, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758

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; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; PRIOR APPLICATION NUMBER: US 60/633,826
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 30
; LENGTH: 143389
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-30

Query Match      3.5%; Score 185.2; DB 8; Length 143389;
Best Local Similarity 79.4%; Pred. No. 2.7e-31;
Matches 235; Conservative 0; Mismatches 53; Indels 8; Gaps 1;

QY 1280 AGGGTGAGGCTGTGTCTTACACCTTACCTGATGCTTACACCTGAGCTCACTGCAACC 1339
DB 113274 AGAGTGTGCTGTGTACCCAGATTGGAGTGGAGTGGACATCTCAGCTCACCGCAACC 113333
QY 1340 TCTGCTCCAGGTTCAAGCAATCTCTGTCTCAGCTCCCGGTAGTGGACTACAG 1399
DB 113334 TCCGCTCCAGGTTCAAGCAATCTCTGTCTCAGCTCCCGGTAGTGGACTACAG 113393
QY 1400 GCG-----CAGCGCCGGCTAAATTTTGTATTTAGTAGAGATGGGTTTCAACATA 1451
DB 113394 GCGCCCGCCAGCAGCTGGCTGCTTATTTTGTATTTAGTAGAGATGGGTTTCAACATA 113453
QY 1452 TTAGCCCGGCTGTGTGAACTTCCCTGAGCTCAGGTGATCCACCTCAGCTCCTCTAAA 1511
DB 113454 TTGGTCAGGCTGTGTGAACTTCCCTGAGCTCAGGTGATCCACCTCAGCTCCTCTAAA 113513
QY 1512 GTGCTGGGATTACAGGATGATGATCAGCGCCCGCCAGGCTCAGTGTCTTAATAA 1567
DB 113514 GTGCTGGGATTACAGGATGATGATCAGCGCCCGCCAGGCTCAGTGTCTTAATAA 113569

RESULT 4
US-11-112-908-24
; Sequence 24, Application US/11112908
; Publication No. US2005026059A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; PRIOR FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 24
; LENGTH: 150314
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-24

Query Match      3.5%; Score 185.2; DB 8; Length 150314;
Best Local Similarity 79.4%; Pred. No. 2.8e-31;
Matches 235; Conservative 0; Mismatches 53; Indels 8; Gaps 1;

QY 1280 AGGGTGAGGCTGTGTCTTACACCTTACCTGATGCTTACACCTGAGCTCACTGCAACC 1339

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DB 27741 AGAGTGTGCTGTGTACCCAGATTGGAGTGGAGTGGACAAATCTCAGCTCACCGCAACC 27800
QY 1340 TCTGCTCCAGGTTCAAGCAATCTCTGTCTCAGCTCCCGGTAGTGGACTACAG 1399
DB 27801 TCCGCTCCAGGTTCAAGCAATCTCTGTCTCAGCTCCCGGTAGTGGACTACAG 27860
QY 1400 GCG-----CAGCGCCGGCTAAATTTTGTATTTAGTAGAGATGGGTTTCAACATA 1451
DB 27861 GCGCCCGCCAGCAGCTGGCTGCTTATTTTGTATTTAGTAGAGATGGGTTTCAACATA 27920
QY 1452 TTAGCCCGGCTGTGTGAACTTCCCTGAGCTCAGGTGATCCACCTCAGCTCCTCTAAA 1511
DB 27921 TTGGTCAGGCTGTGTGAACTTCCCTGAGCTCAGGTGATCCACCTCAGCTCCTCTAAA 27980
QY 1512 GTGCTGGGATTACAGGATGATGATCAGCGCCCGCCAGGCTCAGTGTCTTAATAA 1567
DB 27981 GTGCTGGGATTACAGGATGATGATCAGCGCCCGCCAGGCTCAGTGTCTTAATAA 28036

RESULT 5
US-11-112-908-28
; Sequence 28, Application US/11112908
; Publication No. US2005026059A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; PRIOR FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 28
; LENGTH: 166020
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-28

Query Match      3.5%; Score 185.2; DB 8; Length 166020;
Best Local Similarity 79.4%; Pred. No. 2.9e-31;
Matches 235; Conservative 0; Mismatches 53; Indels 8; Gaps 1;

QY 1280 AGGGTGAGGCTGTGTCTTACACCTTACCTGATGCTTACACCTGAGCTCACTGCAACC 1339
DB 159755 AGAGTGTGCTGTGTACCCAGATTGGAGTGGAGTGGACAAATCTCAGCTCACCGCAACC 159814
QY 1340 TCTGCTCCAGGTTCAAGCAATCTCTGTCTCAGCTCCCGGTAGTGGACTACAG 1399
DB 159815 TCCGCTCCAGGTTCAAGCAATCTCTGTCTCAGCTCCCGGTAGTGGACTACAG 159874
QY 1400 GCG-----CAGCGCCGGCTAAATTTTGTATTTAGTAGAGATGGGTTTCAACATA 1451
DB 159875 GCGCCCGCCAGCAGCTGGCTGCTTATTTTGTATTTAGTAGAGATGGGTTTCAACATA 159934
QY 1452 TTAGCCCGGCTGTGTGAACTTCCCTGAGCTCAGGTGATCCACCTCAGCTCCTCTAAA 1511
DB 159935 TTGGTCAGGCTGTGTGAACTTCCCTGAGCTCAGGTGATCCACCTCAGCTCCTCTAAA 159994
QY 1512 GTGCTGGGATTACAGGATGATGATCAGCGCCCGCCAGGCTCAGTGTCTTAATAA 1567
DB 159995 GTGCTGGGATTACAGGATGATGATCAGCGCCCGCCAGGCTCAGTGTCTTAATAA 160050

RESULT 6
US-10-995-561-13440/C

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Db 13748 TATTTCAKTTAAGCCTCAAAATACAAATATGGAGTAAGCAA 13787

RESULT 9


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; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; PRIOR FILING DATE: 2005-04-22
; PRIOR FILING DATE: 2004-04-23
; PRIOR FILING DATE: 2004-06-01
; PRIOR FILING DATE: 2004-11-30
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 60
; LENGTH: 171427
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-60

Query Match      3.4%; Score 179; DB 8; Length 171427;
Best Local Similarity 81.0%; Pred. No. 7.4e-30;
Matches 221; Conservative 0; Mismatches 50; Indels 2; Gaps 1;

QY 1281 GGGTGGAGGCTGTGTCTTACACCTACCTGTATGCTCTACACCTGAGCTCAGCTGCAACCT 1340
DB 7090 GAGTGTGTCTCTCAACTAGGCTGGATGCGATGATCTCAGCTCAGCTGCAACCT 7031

QY 1341 CTGCTCCAGGTTCAAGCAATTCCTGTCTCAGCCTCCCGCTAGCTGGGACTACAGG 1400
DB 7030 CTGCTCTCGGTTCAAGCAATTCCTGTCTCAGCCTCCCGCTAGCTGGGACTACAGG 6971

QY 1401 C--GCAGCGCGCTAATTTTCTATTTAGTAGAGATGGGTTTCAACATATTAGCC 1458
DB 6970 CCACCATGCCCGCTAATTTTCTATTTAGTAGAGATGGGTTTCAACATATTAGCC 6911

QY 1459 GGTGTGTCTTGAACCTCTGACCTCAGTGATCCACCCACCTCAGCTCCTTAAAGTCTGG 1518
DB 6910 GGTGTGTCTGAACTCTGACCTCAGTGATCCACCCACCTCAGCTCCTTAAAGTCTGG 6851

QY 1519 GATTACAGGATGAGTACCGCGCCCGGCCAAG 1551
DB 6850 GATTACAGGATGAGTACCGCGCCCGGCCAAG 6818

RESULT 13
US-10-775-169-82/c
; Sequence 82, Application US/10775169
; Publication No. US20050287532A9
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Burczynski, Michael
; APPLICANT: Twine, Natalie
; APPLICANT: Dörner, Andrew
; APPLICANT: Trepicchio, William
; TITLE OF INVENTION: Method for Monitoring Drug Activities In Vivo
; FILE REFERENCE: AM101080 (031896-013000)
; CURRENT APPLICATION NUMBER: US/10/775,169
; CURRENT FILING DATE: 2004-02-11
; NUMBER OF SEQ ID NOS: 5278
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 82
; LENGTH: 127917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-775-169-82

Query Match      3.4%; Score 178.4; DB 7; Length 127917;
Best Local Similarity 77.2%; Pred. No. 8.9e-30;
Matches 233; Conservative 0; Mismatches 61; Indels 8; Gaps 1;

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QY 1281 GGGTGGAGGCTGTGTCTTACACCTACCTGTATGCTCTACACCTGAGCTCAGCTGCAACCT 1340
DB 99645 GAGTCTTGTCTGTGTGCCAGGCTGGAGTGGCATGATCTCGGCTCAGTGCATACT 99586

QY 1341 CTGCTCCAGGTTCAAGCAATTCCTGTCTCAGCCTCCCGCTAGCTGGGACTACAGG 1400
DB 99585 CCACCTCCCAAGTTCAAGGATTCCTCTGCTCAGCCTCCCGCTAGCTGGGACTACAGG 99526

QY 1401 CG-----CACGCCCGCTAATTTTGTATTTAGTAGAGATGGGTTTCAACATAT 1452
DB 99525 TGCCCCACCAACACACCCAGCTAATTTTGTATTTTGTAGTAGAGATGGGTTTCAACATAT 99466

QY 1453 TAGCCCGGCTGTGTGAACTCTCAGCTCAGTGATCCACCACTCAGCTCCTTAAAG 1512
DB 99465 TGCCAGAGTGTGTGAACTCTCAGCTCAGTGATCCACCACTCAGCTCCTTAAAG 99406

QY 1513 TGCTGGGATTACAGGATGAGTACCGCGCCCGGCCGAGGTCAGTGTTTAATAAGGAAT 1572
DB 99405 TGCTGGGATTATAGCGGTGAGCCACCGCGCCCGGCCGAGGTCAGTGTTTAATAAGGAAT 99346

QY 1573 AA 1574
DB 99345 AA 99344

RESULT 14
US-11-112-908-57
; Sequence 57, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; PRIOR FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 57
; LENGTH: 161994
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-57

Query Match      3.4%; Score 177.8; DB 8; Length 161994;
Best Local Similarity 86.0%; Pred. No. 1.3e-29;
Matches 197; Conservative 0; Mismatches 32; Indels 0; Gaps 0;

QY 1325 GAGCTCAGTGAACCTCTGCTCCAGGTTCAAGCAATTCCTGTCTCAGCTCCTCCGCG 1384
DB 131831 GAGTGAATGCGAGCTCCACCTCTCTGGGTTCAAGCAATTCCTGTCTCAGCTCCTCCGCG 131890

QY 1385 TAGCTGGGACTACAGCGCCCGGCTAATTTTGTATTTAGTAGAGATGGGTTT 1444
DB 131891 TAGCTGGGATTACAGGCGAGCCAGCTAATTTTATATTTTATTTAGTAGAGATGGGTTT 131950

QY 1445 CACCATATTAGCCCGGCTGTCTTGAACCTCTCAGCTCAGTGATCCACCACTCAGCTC 1504
DB 131951 CACCATATTAGCCCGGCTGTCTTGAACCTCTCAGCTCAGTGATCCACCACTCAGCTC 132010

QY 1505 TCCTAAAGTCTGGGATTACAGGATGAGTACCGCGCCCGGCCAAGG 1553
DB 132011 TCCTAAAGTCTGGGATTACAGGATGAGTACCGCGCCCGGCCAAGG 132059

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RESULT 15
US-11-112-908-59
; Sequence 59, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 59
; LENGTH: 168656
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-59

Query Match 3.4%; Score 177.8; DB 8; Length 168656;
Best Local Similarity 86.0%; Pred. No. 1.4e-29;
Matches 197; Conservative 0; Mismatches 32; Indels 0; Gaps 0;

Oy	1325	GAGCTCACTGCAACCTCTGCCCTCCAGGTTCAAGCAATTCCTGTCTCAGCCTCCCGG	1384
Db	1285	GAGTGCAATGCGAGCTCCACCTCTCTGGGTCAAGCGATTCTCTGCCTCAGCCTCCCGAG	1344
Oy	1385	TAGCTGGGACTACAGGCGCACGCCCGGCTAATTTTGTATTGTAGTAGAGATGGGTTT	1444
Db	1345	TAGCTGGGATTACAGGGGCGAGCCCGAGCTAATTTTATTTATTAGTAGAGATGGGTTT	1404
Oy	1445	CACCATATTAGCCCGGCTGGTCTTGAACCTCCTGACCTCAGGTGATCCACCCACCTCAGCC	1504
Db	1405	CACCATGTTGCCCGAGGCTGGTCTTGAACCTCCTGACTCAGGCAGTCTGCCCGCCTGGGCC	1464
Oy	1505	TCCTAAAGTGTGGGATTACAGGCATGATCACCGCGCCCGGCCAAGGG	1553
Db	1465	TCCCAAGTGTGGGATTACAGGCATGAGCCCGCCCGGCCAAGGG	1513

Search completed: January 26, 2006, 10:16:38

Job time : 525 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 26, 2006, 02:50:21 ; Search time 17273 Seconds
(without alignments)
16872.686 Million cell updates/sec

Title: US-09-227-881-34

Perfect score: 5271

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Gapop 10.0 , Gapext 1.0

Searched: 79147668 seqs, 27645789525 residues

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries.

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- 2: /cgn2_6/ptodata/1/pna/PCTUSB_COMB.seq:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	5271	100.0	5271	22	US-09-227-881-34	Sequence 34, Appl	
2	5271	100.0	5271	43	US-10-244-633-34	Sequence 34, Appl	
3	5271	100.0	6169	19	US-08-938-669-3	Sequence 3, Appl	
4	5271	100.0	6169	22	US-09-227-881-3	Sequence 3, Appl	
5	5271	100.0	6169	43	US-10-244-633-3	Sequence 3, Appl	
6	5246.4	99.5	5300	19	US-08-938-669-1	Sequence 1, Appl	
7	5246.4	99.5	5300	22	US-09-227-881-1	Sequence 1, Appl	
8	5246.4	99.5	5300	38	US-09-985-637A-1	Sequence 1, Appl	
9	5246.4	99.5	5300	43	US-10-244-633-1	Sequence 1, Appl	
10	5246.4	99.5	5300	61	US-10-741-339-1	Sequence 1, Appl	
11	5232.4	99.3	37252	40	US-10-087-192-1228	Sequence 1228, Appl	
12	5224.4	99.1	5304	19	US-08-938-669-2	Sequence 2, Appl	
13	5224.4	99.1	5304	22	US-09-227-881-2	Sequence 2, Appl	
14	5224.4	99.1	5304	43	US-10-244-633-2	Sequence 2, Appl	
15	4925.4	93.4	7369	75	US-60-172-360-2386	Sequence 2386, Appl	
16	4017.4	76.2	6000	52	US-10-509-595-1	Sequence 1, Appl	
17	1804.4	34.2	2800	23	US-09-366-952-1	Sequence 1, Appl	
18	1804.4	34.2	2800	43	US-10-278-698-294	Sequence 294, Appl	
19	1804.4	34.2	2800	43	US-10-278-698-808	Sequence 808, Appl	
20	1804.4	34.2	2800	62	US-10-803-557-10	Sequence 10, Appl	
21	1804.4	34.2	2800	64	US-10-956-243-1	Sequence 1, Appl	
22	1691.6	32.1	2666	17	US-08-791-154-3	Sequence 3, Appl	
23	1690	32.1	2397	17	US-08-791-154-1	Sequence 1, Appl	

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1501	Qy	AGCCTCTAAAGTGTGGGATTACAGGCA	TGAGTCA	CGGCGCCCGGCAAGGGTCA	GTGT 1560
1501	Db	AGCCTCTAAAGTGTGGGATTACAGGCA	TGAGTCA	CGGCGCCCGGCAAGGGTCA	GTGT 1560
1561	Qy	TTAATAAGGAATACTTGAATGGTTTACTAA	ACCAACAGGAGAAACACAAAAAGCTGTGA	1620	
1561	Db	TTAATAAGGAATACTTGAATGGTTTACTAA	ACCAACAGGAGAAACACAAAAAGCTGTGA	1620	
1621	Qy	TAAATTTCAAGGATTTCTTTGGGATGGGAA	TGGTGCCATGAGCTGCCCTCCTAGTCC	CAGAC 1680	
1621	Db	TAAATTTCAAGGATTTCTTTGGGATGGGAA	TGGTGCCATGAGCTGCCCTCCTAGTCC	CAGAC 1680	
1681	Qy	CACGTGGTCTCATCACTTTTCTTCCCTCAT	CTCTCA	TTTTTCAGGCTAA	GTATTTTATT 1740
1681	Db	CACGTGGTCTCATCACTTTTCTTCCCTCAT	CTCTCA	TTTTTCAGGCTAA	GTATTTTATT 1740
1741	Qy	CACCATGCTTTTGTGTAAAGCCTCCACAT	CGTTACTGAAATAGAGTATACATAAACTAG	1800	
1741	Db	CACCATGCTTTTGTGTAAAGCCTCCACAT	CGTTACTGAAATAGAGTATACATAAACTAG	1800	
1801	Qy	TTCCATTTGGGGCCATCTGTGTGTGTATAG	AGGGAGGAGGCGCATCC	CAGAGACTCCT 1860	
1801	Db	TTCCATTTGGGGCCATCTGTGTGTGTATAG	AGGGAGGAGGCGCATCC	CAGAGACTCCT 1860	
1861	Qy	TGAAGCCCCCGGCAGAGGTTTCTCTCCAG	CTGGGGAGCCCTGCAAGCACCCGGGTCC	1920	
1861	Db	TGAAGCCCCCGGCAGAGGTTTCTCTCCAG	CTGGGGAGCCCTGCAAGCACCCGGGTCC	1920	
1921	Qy	TGGGTGTCTGAGCAACCTGCACGCGGTGC	CACTGTTTGTATTCACTCTCTAGG	1980	
1921	Db	TGGGTGTCTGAGCAACCTGCACGCGGTGC	CACTGTTTGTATTCACTCTCTAGG	1980	
1981	Qy	GACCTGTGTCTTTCTATTTTCTGTGACTCG	TTCATTCATCCAGGCATTCATTTGACAAT	2040	
1981	Db	GACCTGTGTCTTTCTATTTTCTGTGACTCG	TTCATTCATTCATCCAGGCATTCATTTGACAAT	2040	
2041	Qy	TATTTGAGTACTTATATCTGCAGACAC	CCAGAGCAAAATGGTGAGCAAGCACTGC	2100	
2041	Db	TATTTGAGTACTTATATCTGCAGACAC	CCAGAGCAAAATGGTGAGCAAGCACTGC	2100	
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2101	Db	CCTACCTTCGTGGAGGTGACAGTTTCTCAT	GGAAGACGTGCAGAGAAATTAATACCA	2160	
2161	Qy	GCCAACTTAAACCCAGTGTCTGAAAGAA	AGGAAATAAACACCATCTTGAAGAA	TTGTGCGC 2220	
2161	Db	GCCAACTTAAACCCAGTGTCTGAAAGAA	AGGAAATAAACACCATCTTGAAGAA	TTGTGCGC 2220	
2221	Qy	AGCATCCCTTAAACAGGCGCACTCCTCTAG	CGCCCCCTGCTCCATCGTCCCGGAGG	2280	
2221	Db	AGCATCCCTTAAACAGGCGCACTCCTCTAG	CGCCCCCTGCTCCATCGTCCCGGAGG	2280	
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2281	Db	CCCCCAAGCCCGAGTCTTCCAGGCTCTCT	CTCATCAGTCA	CAGCGCTCGAGCTGCGCT 2340	
2341	Qy	GCCTCGCTTCCCGTGAATCGTTCCTG	GTGCATCTGAGTGGAGACTCCTTGGCTTCCAGGCT	2400	
2341	Db	GCCTCGCTTCCCGTGAATCGTTCCTG	GTGCATCTGAGTGGAGACTCCTTGGCTTCCAGGCT	2400	
2401	Qy	CCGAAAGGAAATGGAGGGGAAACTAGTCT	TAAACGGAGAAATCTGGAGGGGACAGTGTTC	2460	
2401	Db	CCGAAAGGAAATGGAGGGGAAACTAGTCT	TAAACGGAGAAATCTGGAGGGGACAGTGTTC	2460	
2461	Qy	CTCAGAGGAAAGGGGCTCCAGTCCAGAG	AAATTCAGAGGTGGGACTCGAGGGAG	2520	
2461	Db	CTCAGAGGAAAGGGGCTCCAGTCCAGAG	AAATTCAGAGGTGGGACTCGAGGGAG	2520	

QY	2521	TGGGGACGCTGGGGCTGAGCGGTGCTGAAAGGACGAGAGCTGAAAGGCGCAAGCGTGAA	2580
DB	2521	TGGGGACGCTGGGGCTGAGCGGTGCTGAAAGGACGAGAGCTGAAAGGCGCAAGCGTGAA	2580
QY	2581	GCTCCACAGATGTTTCAGTGTTGTTTTCACGGGGCTGGGAGTTTTCCGTTCCTCTCTGTGAGC	2640
DB	2581	GCTCCACAGATGTTTCAGTGTTGTTTTCACGGGGCTGGGAGTTTTCCGTTCCTCTCTGTGAGC	2640
QY	2641	CTTTTTATCTTTTCTCTGCTTGGAGGAGAAAGATCTATTTTCATGAAAGGAGTGCAGTTTC	2700
DB	2641	CTTTTTATCTTTTCTCTGCTTGGAGGAGAAAGATCTATTTTCATGAAAGGAGTGCAGTTTC	2700
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DB	2701	ATTAAGTCAGCTGTTTAAATTCACAGGCTGTCATGGTTTTCTTCACGAAGGCGCTTTAT	2760
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DB	2761	TTAATGGGAATATAGGAAGCGAGCTCTATTTCTTAGCCGTAAATTCACGAAGAGTGAC	2820
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QY	2881	TGCAAGACGGTCGAAAACTTGGAAATCAGGAGACTCGTTTTCTTTCTGGTCTTGCCATT	2940
DB	2881	TGCAAGACGGTCGAAAACTTGGAAATCAGGAGACTCGTTTTCTTTCTGGTCTTGCCATT	2940
QY	2941	GGTTGGCTGTGCGACCGCTGGGCAAGTGCTCTCTTCTTCCCTGGGCGCATAGTCTTCTGTCT	3000
DB	2941	GGTTGGCTGTGCGACCGCTGGGCAAGTGCTCTCTTCTTCCCTGGGCGCATAGTCTTCTGTCT	3000
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DB	3001	ATTAAGACCCCTTGACGCTCTCGTGTCTGTGAACTCTCCCTGTGATCTCTCTGTAGGGG	3060
QY	3061	GGATGTTTGAGAGGGGAAAGGAGGAGAGCTGGAGCAGCTGAGCCACAGGGGAGGTGGAGG	3120
DB	3061	GGATGTTTGAGAGGGGAAAGGAGGAGAGCTGGAGCAGCTGAGCCACAGGGGAGGTGGAGG	3120
QY	3121	GGACAGAAAGCAGGAGAGAGCTGGGTGCTCATCTAGTCTCTACTGATCAGCTCAGACTC	3180
DB	3121	GGACAGAAAGCAGGAGAGAGCTGGGTGCTCCATCAGTCTCTACTGATCAGCTCAGACTC	3180
QY	3181	CAGGACCGAGAGCCACAATGCTTTCAGGAAAGCTCAATGAAACCCAAACAGGCCACATTTTCT	3240
DB	3181	CAGGACCGAGAGCCACAATGCTTTCAGGAAAGCTCAATGAAACCCAAACAGGCCACATTTTCT	3240
QY	3241	TCCCTAAGCATAGACAATGGCATTTGCCAATAACCAAAAAGATGCAGAGACTAACTGGT	3300
DB	3241	TCCCTAAGCATAGACAATGGCATTTGCCAATAACCAAAAAGATGCAGAGACTAACTGGT	3300
QY	3301	GGTAGCTTTTTCCTGGCATTTCAAAAACTGGGCGAGAGCAAGTGGAAAAATGCCAGAGATTG	3360
DB	3301	GGTAGCTTTTTCCTGGCATTTCAAAAACTGGGCGAGAGCAAGTGGAAAAATGCCAGAGATTG	3360
QY	3361	TTAACTTTTCCCTTGACCAACCCACGACGCTCAGCAGTGACTGTGTGACAGCAACG	3420
DB	3361	TTAACTTTTCCCTTGACCAACCCACGACGCTCAGCAGTGACTGTGTGACAGCAACG	3420
QY	3421	AGTGACCTTGACGGCAGGGGAGGAGAAAGAGGGGATAGTCTATGAGCAAGAAAG	3480
DB	3421	AGTGACCTTGACGGCAGGGGAGGAGAAAGAGGGGATAGTCTATGAGCAAGAAAG	3480
QY	3481	ACAGATTCAATTCAAGGCGAGTGGGAATTGACCAACAGGGATTATAGTCCAGCTGATCCTGG	3540
DB	3481	ACAGATTCAATTCAAGGCGAGTGGGAATTGACCAACAGGGATTATAGTCCAGCTGATCCTGG	3540
QY	3541	GTTCTAGAGGCGAGGGCTATATTGTGGGGGAAAAAATCAGTTCAAGGGAAGTCCGGAGA	3600
DB	3541	GTTCTAGAGGCGAGGGCTATATTGTGGGGGAAAAAATCAGTTCAAGGGAAGTCCGGAGA	3600

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DB 121 GGAAGAGGAGTATCCAGTTAGCCAAAGTGTCCAGGCTGTGTCTGCTCTTATTTTAGTGA 180
QY 181 CAGATGTTGCTCTTCGACAGAGCTATTCCTTCAGGAAACATCACATCCAAATGTAATTC 240
DB 181 CAGATGTTGCTCTTCGACAGAGCTATTCCTTCAGGAAACATCACATCCAAATGTAATTC 240
QY 241 CATCAAAACAGGAGCTTAAGAAACAGAAATGAGATGAGTGGCACTTGGCCCAAGGAAATGCGAG 300
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QY	1741	CACCATGCTTTTGTGGTAAGCCTCCACATCGTTACTGAAATAAGAGATATACATAAACCTAG	1800
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QY	1861	TGAAGCCCCCGGCGAGAGGTTTCTCTCCAGCTGGGGAGGCCCTGCAAGCAACCCGGGGTCC	1920
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QY	1981	GACCTGTGTCTTTCTATTCTTGTGTGACTCGTTCAATTCATCCAGGCATTCATTEACAAT	2040
DB	1981	GACCTGTGTCTTTCTATTCTTGTGTGACTCGTTCAATTCATCCAGGCATTCATTEACAAT	2040
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QY	2161	GCCAACTTAAACCCAGTGTGAAAAGAGAAATAAAACATCTTGAAGAAATGTGTGCGC	2220
DB	2161	GCCAACTTAAACCCAGTGTGAAAAGAGAAATAAAACATCTTGAAGAAATGTGTGCGC	2220
QY	2221	AGCATCCCTTAAAGGCCACCTCCCTAGCGCCCCCTGCTGCCTCCATCGTGCCTCGAGG	2280
DB	2221	AGCATCCCTTAAAGGCCACCTCCCTAGCGCCCCCTGCTGCCTCCATCGTGCCTCGAGG	2280
QY	2281	CCCCCAAGCCCGAGTCTTCCAAGCCTCTCTCTCTCATCAGTCACAGCGCTCGAGCTGDCCT	2340
DB	2281	CCCCCAAGCCCGAGTCTTCCAAGCCTCTCTCTCTCATCAGTCACAGCGCTCGAGCTGDCCT	2340
QY	2341	GCCTCGCTTCCCGTGAATCGTCTGTGTGATCTGAGCTGGAGACTCCTTGCTCCAGGCT	2400
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QY	2401	CCGAAAGGAAATGGAGGGGAACTAGTCTTACGGAGATCTTGAGGGGACAGTGTTC	2460
DB	2401	CCGAAAGGAAATGGAGGGGAACTAGTCTTACGGAGATCTTGAGGGGACAGTGTTC	2460
QY	2461	CTCAGAGGAAAGGGGCTCCAGCTCCAGAGAAATTCAGGAGGTGGGACTCGAGGAG	2520
DB	2461	CTCAGAGGAAAGGGGCTCCAGCTCCAGAGAAATTCAGGAGGTGGGACTCGAGGAG	2520
QY	2521	TGGGGAAGCTGGGCTGAGCGGTGTGAAAGGCAGGAAGGTGAAAGGGCAAGGTGAA	2580
DB	2521	TGGGGAAGCTGGGCTGAGCGGTGTGAAAGGCAGGAAGGTGAAAGGGCAAGGTGAA	2580

Qy	2581	GCTGCCAGATGTTTCAGTGTGTGTTTCACCGGGCTGGAGAGTTTTCGGTGTCTTCTGTGAGC	2640
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Qy	2641	CTTTTTATCTTTTCTCTGCTTGGAGGAGAAGTCTATTTTCATGAAGGATGCAGTTTC	2700
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Db	2701	ATAAGTCAGTGTATAAAATTCACGGGTGTGCA TGGGTTTTCTTCACGAAGSCCTTTAT	2760
Qy	2761	TTAATGGGAATATAGGAAGCGAGCTCATTTCTTAGCCGTGTAATTCACGGAAGAAGTAC	2820
Db	2761	TTAATGGGAATATAGGAAGCGAGCTCATTTCTTAGCCGTGTAATTCACGGAAGAAGTAC	2820
Qy	2821	TGGAGTCTTTTCTTTTCATGTCCTCTGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTA	2880
Db	2821	TGGAGTCTTTTCTTTTCATGTCCTCTGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTA	2880
Qy	2881	TGCAAGACGGTGC AAAACCTTGGAAATCAGAGACTCGGTTTTCTTTCTGGTTCGCAATT	2940
Db	2881	TGCAAGACGGTGC AAAACCTTGGAAATCAGAGACTCGGTTTTCTTTCTGGTTCGCAATT	2940
Qy	2941	GGTTGGCTGTGCGACCGTGGCAAGTGTCTCTCTTCCCTGGGCCCATAGTCTTCTCTGCT	3000
Db	2941	GGTTGGCTGTGCGACCGTGGCAAGTGTCTCTCTTCCCTGGGCCCATAGTCTTCTCTGCT	3000
Qy	3001	ATAAAGACCTTCAGACTCTGTTCTGTGAACACTTCCCTGTGATTCCTGTGAGGG	3060
Db	3001	ATAAAGACCTTCAGACTCTGTTCTGTGAACACTTCCCTGTGATTCCTGTGAGGG	3060
Qy	3061	GGATGTTGAGAGGGGAGGAGGAGCTGGAGCAGCTGAGCCACAGGGGAGGTGAGGG	3120
Db	3061	GGATGTTGAGAGGGGAGGAGGAGCTGGAGCAGCTGAGCCACAGGGGAGGTGAGGG	3120
Qy	3121	GGACAGAAAGGACAGCAAGCTGGGTGTCTCATAGTCTCTCATCTGATCACTGACACTC	3180
Db	3121	GGACAGAAAGGACAGCAAGCTGGGTGTCTCATAGTCTCTCATCTGATCACTGACACTC	3180
Qy	3181	CAGACCGAGAGCCACAATGCTTTCAGAAAGCTCAATGAACCCACAGCCACATTTTCCT	3240
Db	3181	CAGACCGAGAGCCACAATGCTTTCAGAAAGCTCAATGAACCCACAGCCACATTTTCCT	3240
Qy	3241	TCCCTAAGCATAGACAATGGCATTTGCCAATAACCAAAAAGAAATGACAGACTAACTGGT	3300
Db	3241	TCCCTAAGCATAGACAATGGCATTTGCCAATAACCAAAAAGAAATGACAGACTAACTGGT	3300
Qy	3301	GGTAGCTTTTTCCTGGCATTTCAAAAATCGGGCCAGAGCAAGTGGAAAATGCCAGAGATTG	3360
Db	3301	GGTAGCTTTTTCCTGGCATTTCAAAAATCGGGCCAGAGCAAGTGGAAAATGCCAGAGATTG	3360
Qy	3361	TTAAACTTTTTCACCTGACCCGACCCGACGCTCAGCAGTACTGCTGACAGCACGG	3420
Db	3361	TTAAACTTTTTCACCTGACCCGACCCGACGCTCAGCAGTACTGCTGACAGCACGG	3420
Qy	3421	AGTGACTGTCAGCGCAGGGGAGGAGAAGAAAAGAGAGGATAGTGTATGAGCAAGAAAG	3480
Db	3421	AGTGACTGTCAGCGCAGGGGAGGAGAAGAAAAGAGAGGATAGTGTATGAGCAAGAAAG	3480
Qy	3481	ACAGATTCTAATCAAGGGCAGTGGGAATTCACCAAGGGATTATAGTCCAGTGTCTCTGG	3540
Db	3481	ACAGATTCTAATCAAGGGCAGTGGGAATTCACCAAGGGATTATAGTCCAGTGTCTCTGG	3540
Qy	3541	GTTCTAGGAGGACGGCTATATGTGGGGGAAAAAATCAGTTCAAGGAGTCCGGAGA	3600
Db	3541	GTTCTAGGAGGACGGCTATATGTGGGGGAAAAAATCAGTTCAAGGAGTCCGGAGA	3600
Qy	3601	CCTGATTCTTAATACTATATTTTCTTTTAAAGCTGAGTAAATCTGAGCAAGTCAACAAG	3660
Db	3601	CCTGATTCTTAATACTATATTTTCTTTTAAAGCTGAGTAAATCTGAGCAAGTCAACAAG	3660
Qy	3661	GTAGTAACCTGAGGCTGTAAAGATTACTAGTCTTCTCTCTTATTAGGAACCTCTTTTCTCTGT	3720

4741	Db	AGGGGGAAATCTGCGCTTCTATAGGAATGCTCTCCCTGGAGCCTGGTAGGGTGCTGTC	4801
4801	Qy	CTTGTGTTCTGGCTCGCTGTTATTTTCTCTGTCFCCCTGCTACGTCTTAAAGGACTTGTGTTT	4860
4801	Db	CTTGTGTTCTGGCTCGCTGTTATTTTCTCTGTCFCCCTGCTACGTCTTAAAGGACTTGTGTTT	4860
4861	Qy	GGATCTCCAGTTTCTTAGCATAGTCCCTGGCACAGTGCAGGTTCTCAATGAGTTTTCAGAG	4920
4861	Db	GGATCTCCAGTTTCTTAGCATAGTCCCTGGCACAGTGCAGGTTCTCAATGAGTTTTCAGAG	4920
4921	Qy	TGAATGGAAATATAAACTAGAAATATATCTTTGTTGAAATCAGCACACCAGTAGTCTCTGG	4980
4921	Db	TGAATGGAAATATAAACTAGAAATATATCTTTGTTGAAATCAGCACACCAGTAGTCTCTGG	4980
4981	Qy	TGTAACTGTGTACGT	5040
4981	Db	TGTAACTGTGTACGT	5040
5041	Qy	TAGGAACCTATTATTGGGGTATGGGTGCATAAAATTTGGGATGTTCTTTTAAAAAGAAATCT	5100
5041	Db	TAGGAACCTATTATTGGGGTATGGGTGCATAAAATTTGGGATGTTCTTTTAAAAAGAAATCT	5100
5101	Qy	CAAAACAGACTTCTTGGAGGTTATTTTCTAAGAAATCTTGTCTGGCAGCGTAGAGCAACCCC	5160
5101	Db	CAAAACAGACTTCTTGGAGGTTATTTTCTAAGAAATCTTGTCTGGCAGCGTAGAGCAACCCC	5160
5161	Qy	CTGTGTACAGCCCCACACAGCCTCAGCTGGCCACCTCTGTCTTCTCCCCCATGAAGGGCTG	5220
5161	Db	CTGTGTACAGCCCCACACAGCCTCAGCTGGCCACCTCTGTCTTCTCCCCCATGAAGGGCTG	5220
5221	Qy	GCTCCCCAGTATATAAACCTCTCTGGAGCTCGGGCATGAGCCAGCAAGG	5271
5221	Db	GCTCCCCAGTATATAAACCTCTCTGGAGCTCGGGCATGAGCCAGCAAGG	5271

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RESULT 5
US-10-244-633-3
; Sequence 3, Application US/10244633
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Fu
; APPLICANT: Chen, Hua
; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis,
; PROGNOSIS AND TREATMENT OF GLAUCOMA AND RELATED
; DISORDERS
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 07425.0057.US01
; CURRENT APPLICATION NUMBER: US/10/244,633
; CURRENT FILING DATE: 2002-09-17
; PRIOR APPLICATION NUMBER: US/09/306,828
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/227,881
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 3
; LENGTH: 6169
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-244-633-3

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	Query Match	100.0%;	Score 5271;	DB 43;	Length 6169;
	Best Local Similarity	100.0%;	Pred. No. 0;		
	Matches 5271;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	ATCTTTGTTTCAGTTTACCTCAGGCGCTATTATGAAATGAAATGAGATAACCAATGTGAAAG	60		
Db	1	ATCTTTGTTTCAGTTTACCTCAGGCGCTATTATGAAATGAAATGAGATAACCAATGTGAAAG	60		
Qy	61	TCCTATAAACTGATAGCCTCCATTCGGATGTTATGCTTTGGCAGGATGATAAGAAATCA	120		
Db	61	TCCTATAAACTGATAGCCTCCATTCGGATGTTATGCTTTGGCAGGATGATAAGAAATCA	120		

121 GGAAGAGGAGTATCCAGTGTAGCCAAAGTGTCCAGGCTGTGTCTGCTCTTATTTAGTGA 180
121 GGAAGAGGAGTATCCAGTGTAGCCAAAGTGTCCAGGCTGTGTCTGCTCTTATTTAGTGA 180
181 CAGATGTTGCTCTCGACAGAGCTATTCTTCAGGAAACATCATCAATGATGTAATC 240
181 CAGATGTTGCTCTCGACAGAGCTATTCTTCAGGAAACATCATCAATGATGTAATC 240
241 CATCAACAGGAGCTAAGAACAGGAATGAGTGGGCACTTGCCCAAGGAAATGCGAG 300
241 CATCAACAGGAGCTAAGAACAGGAATGAGTGGGCACTTGCCCAAGGAAATGCGAG 300
301 GAGAGCAAAATGATCAAAAATAAATCTTTTCCCTTTGTTTAAATTTTCAGGAAAAATG 360
301 GAGAGCAAAATGATCAAAAATAAATCTTTTCCCTTTGTTTAAATTTTCAGGAAAAATG 360
361 ATGAGGACCAAAATCAATGAATAAGGAAACAGCTCAGAAAAAAGATGTTTCCAAATGG 420
361 ATGAGGACCAAAATCAATGAATAAGGAAACAGCTCAGAAAAAAGATGTTTCCAAATGG 420
421 TAATTAAGTATTGTTCCCTTGGGAAGAGACTCCATCTGAGCTTGATGGGAAATGGAA 480
421 TAATTAAGTATTGTTCCCTTGGGAAGAGACTCCATCTGAGCTTGATGGGAAATGGAA 480
481 AAACGTCAAAAGCATGATCTGATCAGATCCCAAAGTGGATTTATTTTAAAAACCCAGAT 540
481 AAACGTCAAAAGCATGATCTGATCAGATCCCAAAGTGGATTTATTTTAAAAACCCAGAT 540
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541 GGCATCACTCTGGGAGGCAAGTTTCAGAAAGTTCATGTTAGCAAAAGGACATAAATAAC 600
601 AGCAAAATCAAAATTCGCAAAATGCAAGGAAATGGGACCTGGGAAAGCTTTTCAATAAC 660
601 AGCAAAATCAAAATTCGCAAAATGCAAGGAAATGGGACCTGGGAAAGCTTTTCAATAAC 660
661 AGTGATTAGGAGTTCGCAACATGTTTCGCAACATCTCCCGTCTATACCAGGGAACACAAA 720
661 AGTGATTAGGAGTTCGCAACATGTTTCGCAACATCTCCCGTCTATACCAGGGAACACAAA 720
721 ATTGACTGGGCTAAGCTGACCTTTCAAGGAAATATGAAAACTGAGAGCAAAACAAA 780
721 ATTGACTGGGCTAAGCTGACCTTTCAAGGAAATATGAAAACTGAGAGCAAAACAAA 780
781 GACATGTTAAAGGCAACAGAACATGTTGAGCTTCAAGCAGAGCTGCCCTCAGCA 840
781 GACATGTTAAAGGCAACAGAACATGTTGAGCTTCAAGCAGAGCTGCCCTCAGCA 840
841 GGGACCTGAGGCAATTTGCTTTAGGAAGGCCAGTTTCTTAAGGAATCTTAAGAAATC 900
841 GGGACCTGAGGCAATTTGCTTTAGGAAGGCCAGTTTCTTAAGGAATCTTAAGAAATC 900
901 TTGAAAGATCATGAATTTTAACTTTTAAAGTATAAAACAAATATGCGATGCAATAATCAG 960
901 TTGAAAGATCATGAATTTTAACTTTTAAAGTATAAAACAAATATGCGATGCAATAATCAG 960
961 TTTAGACATGGTCCCAATTTTAAAGTACAGCATACAGGATAAGTGTCCAGTCC 1020
961 TTTAGACATGGTCCCAATTTTAAAGTACAGCATACAGGATAAGTGTCCAGTCC 1020
1021 GGTATAGTCAAGAAATCATTAAGAAATCACTGTGTCCCATCTTAATCTTTTCAAGAAATGATC 1080
1021 GGTATAGTCAAGAAATCATTAAGAAATCACTGTGTCCCATCTTAATCTTTTCAAGAAATGATC 1080
1081 TGTATAGGCTTCAACAGAGGCGGATGTGTCTGACCTTACAAACCAATCTACAAACCCAA 1140
1081 TGTATAGGCTTCAACAGAGGCGGATGTGTCTGACCTTACAAACCAATCTACAAACCCAA 1140
1141 GTGCTTCAACATTTGTTAAAGTGTCTCAGTAGTTCATTAAGATGCGACCTCC 1200
1141 GTGCTTCAACATTTGTTAAAGTGTCTCAGTAGTTCATTAAGATGCGACCTCC 1200
1201 TGTGAGGCCCATCCCGCTCCACAGGAAGTCTCCCGCACTCTAGACTTCTGCAATCAGATGT 1260

1201 TGTGAGGCCCATCCCGCTCCACAGGAAGTCTCCCGCACTCTAGACTTCTGCAATCAGATGT 1260
1261 TACAGCCAGAAAGTCCGCTGAGGCTGAGGCTGTGTCTTACACTTACCTGTATGCTCTAC 1320
1261 TACAGCCAGAAAGTCCGCTGAGGCTGAGGCTGTGTCTTACACTTACCTGTATGCTCTAC 1320
1321 ACCTGAGCTCACTGCAACCTCTGCTCCAGAGTTCAAGCAATTTCTCTGTCTCAGCCTCC 1380
1321 ACCTGAGCTCACTGCAACCTCTGCTCCAGAGTTCAAGCAATTTCTCTGTCTCAGCCTCC 1380
1381 CGCTAGCTGGGACTACAGCGCACGCCCGGCTAAATTTTGTATTTGTAGTAGAGATGGG 1440
1381 CGCTAGCTGGGACTACAGCGCACGCCCGGCTAAATTTTGTATTTGTAGTAGAGATGGG 1440
1441 GTTTACCAATATTAGCCCGGCTGTGTGAACTTCTGAACTCTAGAGTGATCCACCCACTC 1500
1441 GTTTACCAATATTAGCCCGGCTGTGTGAACTTCTGAACTCTAGAGTGATCCACCCACTC 1500
1501 AGCTCTCTAAAGTGTGGGATTACAGCATGAGTCAACCGCGCCCGGCAAGGGTCACTGT 1560
1501 AGCTCTCTAAAGTGTGGGATTACAGCATGAGTCAACCGCGCCCGGCAAGGGTCACTGT 1560
1561 TTAATAAGGAATAAATGATTTGATTTAACTAAACCAACAGGAAACAGACAAAAGCTGTGA 1620
1561 TTAATAAGGAATAAATGATTTGATTTAACTAAACCAACAGGAAACAGACAAAAGCTGTGA 1620
1621 TAAATTCAGGATTTCTGGGATGGGAAATGGTGCCATGAGCTGCCCTAGTCTCCAGAC 1680
1621 TAAATTCAGGATTTCTGGGATGGGAAATGGTGCCATGAGCTGCCCTAGTCTCCAGAC 1680
1681 CACTGTCTCTCATCACTTTCTTCCCTCATCTCTCATTTTCAGGCTAAGTTTACCAATTTATT 1740
1681 CACTGTCTCTCATCACTTTCTTCCCTCATCTCTCATTTTCAGGCTAAGTTTACCAATTTATT 1740
1741 CACCATGCTTTTGTGTAAAGCTTCCACATCGTTACTGAAATTAAGAGTATACATAAACTAG 1800
1741 CACCATGCTTTTGTGTAAAGCTTCCACATCGTTACTGAAATTAAGAGTATACATAAACTAG 1800
1801 TTCCATTTGGGCGCATCTGTGTGTATAGGGAGGAGGAGGATACCCAGAGACTCCT 1860
1801 TTCCATTTGGGCGCATCTGTGTGTATAGGGAGGAGGAGGAGGATACCCAGAGACTCCT 1860
1861 TGAAGCCCGCGCAGAGGTTTCTCTCCAGCTGGGGAGCCCTGCAAGACACCCGGGTCC 1920
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1921 TGGGTGTCTGAGCAACCTGCGCAGCCGCTGCCACTGGTTTGTATTATCACTCTCTAGG 1980
1921 TGGGTGTCTGAGCAACCTGCGCAGCCGCTGCCACTGGTTTGTATTATCACTCTCTAGG 1980
1981 GACCTGTGCTTTCTATTCTGTGTGATCTGTTTCAATTCATTCAGGCAATTCATTGACAAAT 2040
1981 GACCTGTGCTTTCTATTCTGTGTGATCTGTTTCAATTCATTCAGGCAATTCATTGACAAAT 2040
2041 TATTGAGTACTTATATCTGCCAGACACCAAGGAAATGGTGAGCAAAAGGAGTCACTGC 2100
2041 TATTGAGTACTTATATCTGCCAGACACCAAGGAAATGGTGAGCAAAAGGAGTCACTGC 2100
2101 CCTACTCTGCTGAGGAGTGAAGTTTCTCATGGAAGACGTCGAGAAAGAAATTAATAGCCA 2160
2101 CCTACTCTGCTGAGGAGTGAAGTTTCTCATGGAAGACGTCGAGAAAGAAATTAATAGCCA 2160
2161 GCCAATTAACCCAGTGTGAAGAAAGAAATTAACCAATCTTGAAGAAATTTGTGCGC 2220
2161 GCCAATTAACCCAGTGTGAAGAAAGAAATTAACCAATCTTGAAGAAATTTGTGCGC 2220
2221 AGCATCCCTTAACAGGCGCCTCTAGGCGCCCTCTGCTCATCTGTCGCGGAGG 2280
2221 AGCATCCCTTAACAGGCGCCTCTAGGCGCCCTCTGCTCATCTGTCGCGGAGG 2280
2281 CCCCCAAGCCGAGTCTTCCAAAGCCTCTCTCCATCAGTCAAGCGCTGACGCTTGGCCT 2340

Db	2281	CCCCAAGCCGAGTCTTCAAGCCTCCTCCATCAGTCAAGCGCTGAGCTGCT	2340
Qy	2341	GCCTCCCTCCCGTGAATCGTCTGTCATCTGAGCTGGAGACTCCTTGGCTCCAGGCT	2400
Db	2341	GCCTCCCTCCCGTGAATCGTCTGTCATCTGAGCTGGAGACTCCTTGGCTCCAGGCT	2400
Qy	2401	CCAGAAAGGAAATGGAGAGGAAATAGTCTTAACGGAGAAATCTGGAGGGGACAGTGTTC	2460
Db	2401	CCAGAAAGGAAATGGAGAGGAAATAGTCTTAACGGAGAAATCTGGAGGGGACAGTGTTC	2460
Qy	2461	CTCAGAGGGAAGGGGCTCCAGTCCAGAGAAATCCAGAGGCTGGGACTCCAGGGAG	2520
Db	2461	CTCAGAGGGAAGGGGCTCCAGTCCAGAGAAATCCAGAGGCTGGGACTCCAGGGAG	2520
Qy	2521	TGGGACGCTGGGCTGAGCGGTGCTGAAAGGACGAGAGGTGAAAGGCAAGGCTGAA	2580
Db	2521	TGGGACGCTGGGCTGAGCGGTGCTGAAAGGACGAGAGGTGAAAGGCAAGGCTGAA	2580
Qy	2581	GCTGCCAGATGTCAGTGTGTTTACGGGCTGGGAGTTTCCGTTCTCTGTGAGC	2640
Db	2581	GCTGCCAGATGTCAGTGTGTTTACGGGCTGGGAGTTTCCGTTCTCTGTGAGC	2640
Qy	2641	CTTTTATCTTTCTCTGCTTGGAGGAAAGAGTCTATTTATGAAGGATGCACTTTC	2700
Db	2641	CTTTTATCTTTCTCTGCTTGGAGGAAAGAGTCTATTTATGAAGGATGCACTTTC	2700
Qy	2701	ATAAAGTCAGCTGTTAAATTCAGGGTGTGATGGGTTTCTTCAAGGACCTTAT	2760
Db	2701	ATAAAGTCAGCTGTTAAATTCAGGGTGTGATGGGTTTCTTCAAGGACCTTAT	2760
Qy	2761	TTAATGGGAATATAGGAAGCGACTCATTTCTTAGGCGGTAAATTCAGGAAGATGAC	2820
Db	2761	TTAATGGGAATATAGGAAGCGACTCATTTCTTAGGCGGTAAATTCAGGAAGATGAC	2820
Qy	2821	TGAGTCTTTTCTTCTGATCTTCTGGCACTTCTCAGCCCTGGTGGACTTGGCTTA	2880
Db	2821	TGAGTCTTTTCTTCTGATCTTCTGGCACTTCTCAGCCCTGGTGGACTTGGCTTA	2880
Qy	2881	TGCAAGACGCTGAAACCTTGGAAATCAGGAGACTCGTGTCTTCTGCTTCTGCT	2940
Db	2881	TGCAAGACGCTGAAACCTTGGAAATCAGGAGACTCGTGTCTTCTGCTTCTGCT	2940
Qy	2941	GGTTGGCTGTGGACCGTGGCAAGTGTCTCTCTTCCCTGGGCGCATAGTCTCTCT	3000
Db	2941	GGTTGGCTGTGGACCGTGGCAAGTGTCTCTCTTCCCTGGGCGCATAGTCTCTCT	3000
Qy	3001	ATAAAGACCTTGCAGCTCTCTGTTCTGTGAAACACTTCCCTGTGATCTCTGTGAGGG	3060
Db	3001	ATAAAGACCTTGCAGCTCTCTGTTCTGTGAAACACTTCCCTGTGATCTCTGTGAGGG	3060
Qy	3061	GGATGTTGAGAGGGGAAGGAGGAGCTGGAGCTGAGCTGAGCCACAGGGGAGTGGAGG	3120
Db	3061	GGATGTTGAGAGGGGAAGGAGGAGCTGGAGCTGAGCTGAGCCACAGGGGAGTGGAGG	3120
Qy	3121	GGACAGAGGCGAGAGAGCTGGGTCTCCATCAGTCTCTCAGTCACTGATCACTGACATC	3180
Db	3121	GGACAGAGGCGAGAGAGCTGGGTCTCCATCAGTCTCTCAGTCACTGATCACTGACATC	3180
Qy	3181	CAGACCGAGAGCCCAATCTTCAAGAAAGCTCAATGAACCCAAAGCCACATTTTCT	3240
Db	3181	CAGACCGAGAGCCCAATCTTCAAGAAAGCTCAATGAACCCAAAGCCACATTTTCT	3240
Qy	3241	TCCCTAAGCATAGACATGCAATTTGCAATTAACCAAGAAATGACAGAGCTAATGCT	3300
Db	3241	TCCCTAAGCATAGACATGCAATTTGCAATTAACCAAGAAATGACAGAGCTAATGCT	3300
Qy	3301	GGTAGCTTTTGGCTTGAATTTCAAAACTGGGCGAGAGCAAGTGGAAATGCCAGATTC	3360
Db	3301	GGTAGCTTTTGGCTTGAATTTCAAAACTGGGCGAGAGCAAGTGGAAATGCCAGATTC	3360
Qy	3361	TTAAACTTTTTCACCTCAGCAGACCCACGAGCTCAGCAGTGTGCTGACAGACGG	3420
Db	3361	TTAAACTTTTTCACCTCAGCAGACCCACGAGCTCAGCAGTGTGCTGACAGACGG	3420
Qy	3421	AGTGACCTGACGCGCAGGGAGGAGAAAGAAAGAGAGGATAGTATGACGACAGAAAG	3480
Db	3421	AGTGACCTGACGCGCAGGGAGGAGAAAGAAAGAGAGGATAGTATGACGACAGAAAG	3480
Qy	3481	ACAGATTCATTCAAGGCGAGTGGGAATGACCAAGGAGATTAAGTCCACGATGATCTGG	3540
Db	3481	ACAGATTCATTCAAGGCGAGTGGGAATGACCAAGGAGATTAAGTCCACGATGATCTGG	3540
Qy	3541	GTTCAGAGGCGAGGGCTATATTTGTGGGGGAAAAAATCAGTCAAGGGAAGTGGGAGA	3600
Db	3541	GTTCAGAGGCGAGGGCTATATTTGTGGGGGAAAAAATCAGTCAAGGGAAGTGGGAGA	3600
Qy	3601	CTGTATTTCTAATACTATATTTTCTTTCATCAAGCTGAGTAATCTTGACCAAGTCAAG	3660
Db	3601	CTGTATTTCTAATACTATATTTTCTTTCATCAAGCTGAGTAATCTTGACCAAGTCAAG	3660
Qy	3661	GTAGTAACCTGAGGCTGTAAATTTACTTGTCTCTCTTATTAGGAATCTTTTCTCTGT	3720
Db	3661	GTAGTAACCTGAGGCTGTAAATTTACTTGTCTCTCTTATTAGGAATCTTTTCTCTGT	3720
Qy	3721	GGAGTTAGCAGCACAAAGGCAATCCCGTTCTTTTAAACAGGAAGAAACATTCCTAAGAG	3780
Db	3721	GGAGTTAGCAGCACAAAGGCAATCCCGTTCTTTTAAACAGGAAGAAACATTCCTAAGAG	3780
Qy	3781	TAAAGCCAAACAGATTCAGCCTAGCTTCTGCTGACTATATGATGTTTGTGAAAT	3840
Db	3781	TAAAGCCAAACAGATTCAGCCTAGCTTCTGCTGACTATATGATGTTTGTGAAAT	3840
Qy	3841	CAATTTAGCGATGTTTACTTCTGATTCAGAAATGAGACTAGTACCTTTTGGTCAAGCTG	3900
Db	3841	CAATTTAGCGATGTTTACTTCTGATTCAGAAATGAGACTAGTACCTTTTGGTCAAGCTG	3900
Qy	3901	TAAACAAACACCCAGTGTAAATGTCTCAAGTTCAAGGCTTAACTGCAGAACCAATCAAA	3960
Db	3901	TAAACAAACACCCAGTGTAAATGTCTCAAGTTCAAGGCTTAACTGCAGAACCAATCAAA	3960
Qy	3961	AGAAAGAAATCTTTAGAGCAAACTGTGTTCTCCACATCTGAGGCTGAGTCTGCCAGGC	4020
Db	3961	AGAAAGAAATCTTTAGAGCAAACTGTGTTCTCCACATCTGAGGCTGAGTCTGCCAGGC	4020
Qy	4021	AGTTTGGAAATATTTACTTCAAGTATTTGACACTGTTGTTGTTGTTTAAACATAAAGT	4080
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Qy	4081	TGCTCAAGGCAATCAATTAATTTCAAGTGTGCTTAAAGTTACTTCTGACAGTGTGATAT	4140
Db	4081	TGCTCAAGGCAATCAATTAATTTCAAGTGTGCTTAAAGTTACTTCTGACAGTGTGATAT	4140
Qy	4141	TTATTTGGCTTATTTGCCATTTGCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT	4200
Db	4141	TTATTTGGCTTATTTGCCATTTGCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT	4200
Qy	4201	GGATTAATTAACCTCAGAGTCCAGAAAGCCTGTGAAATTTGAATGAGGAAAAATTTACATTT	4260
Db	4201	GGATTAATTAACCTCAGAGTCCAGAAAGCCTGTGAAATTTGAATGAGGAAAAATTTACATTT	4260
Qy	4261	TGTTTTACCACTTCTAACTAAATTTAACTTTTATTTCCATTTGCAATGAGGCCATAA	4320
Db	4261	TGTTTTACCACTTCTAACTAAATTTAACTTTTATTTCCATTTGCAATGAGGCCATAA	4320
Qy	4321	CTCAAGTGGTAAATTAACAGTACCTGTGATTTTGTCTATTAACCAATGAGAAATTCAGACAT	4380
Db	4321	CTCAAGTGGTAAATTAACAGTACCTGTGATTTTGTCTATTAACCAATGAGAAATTCAGACAT	4380
Qy	4381	TTATATAATTAATTAACAGTGTGTCAGATACCTTGTAGTGAATTAATTAATTAATTAAT	4440
Db	4381	TTATATAATTAATTAACAGTGTGTCAGATACCTTGTAGTGAATTAATTAATTAATTAAT	4440
Qy	4441	CTTTGAAATTAAGCTCTTCTGCTGGATCTTTTGTGTTTAACTATTAATTAATTAATTAAT	4500
Db	4441	CTTTGAAATTAAGCTCTTCTGCTGGATCTTTTGTGTTTAACTATTAATTAATTAATTAAT	4500

QY 661 AGTGATTTAGGAGTTGACCAATGTTTGGCAACATCTCCCGTCTATACAGGGAACACAAA 720
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QY 721 ATTGACTGGGCTAAGCGTGGAGCTTTCAAGGGAATATGAAAACTGAGAGCAAAACAAA 780
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QY 781 GACATGCTTAAAGGCAACAGAAACATTTGTGAGCCTTTCAAAGCAGGAGTCCCTCAGCA 840
DB 781 GACATGCTTAAAGGCAACAGAAACATTTGTGAGCCTTTCAAAGCAGGAGTCCCTCAGCA 840
QY 841 GGGACCTGAGGCAATTTGCGCTTTAGGAAGCGCAGTCTTTCTTAAGGAATCTTAAGAACTC 900
DB 841 GGGACCTGAGGCAATTTGCGCTTTAGGAAGCGCAGTCTTTCTTAAGGAATCTTAAGAACTC 900
QY 901 TTGGAAGCATGATGAATTTTAAACCAATTTTAAAGTATAAAACAAATATGCGATGCAATACAG 960
DB 901 TTGGAAGCATGATGAATTTTAAACCAATTTTAAAGTATAAAACAAATATGCGATGCAATACAG 960
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QY 1021 GGATAGTCAGAAATCAATAGAAATCACTGTGTCCCATCTCTAACTTTTTCAGNATGATC 1080
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QY 1081 TGTATAGCCCTCACACAGGCGCGATGTCTCTGACCTACAACCAATCTACAAACCAA 1140
DB 1081 TGTATAGCCCTCACACAGGCGCGATGTCTCTGACCTACAACCAATCTACAAACCAA 1140
QY 1141 GTGGCTCAACCAATTTGTTAAACGTGTCACTCAGTAGGTCCCAATTAACAAATGCCACTCCC 1200
DB 1141 GTGGCTCAACCAATTTGTTAAACGTGTCACTCAGTAGGTCCCAATTAACAAATGCCACTCCC 1200
QY 1201 TGTGAGCCCATCCCGTCTCACAGGAAGTCTCCCACTCTAGACTTCTGCATCAGATGT 1260
DB 1201 TGTGAGCCCATCCCGTCTCACAGGAAGTCTCCCACTCTAGACTTCTGCATCAGATGT 1260
QY 1261 TACAGCCAGAGCTCCCGTGGGGTGGGCTGTGTCTTACACCTACTCTGATGCTCTAC 1320
DB 1261 TACAGCCAGAGCTCCCGTGGGGTGGGCTGTGTCTTACACCTACTCTGATGCTCTAC 1320
QY 1321 ACCTGAGCTCACTGCAACCTCTGCTCCAGGTTCAAGCAATTTCTCTGTCTCAGCCTCC 1380
DB 1321 ACCTGAGCTCACTGCAACCTCTGCTCCAGGTTCAAGCAATTTCTCTGTCTCAGCCTCC 1380
QY 1381 CGCGTAGCTGGGACTTACAGGGGCGACGCCCGGCTAAATTTTGTATTTGTAGATGGG 1440
DB 1381 CGCGTAGCTGGGACTTACAGGGGCGACGCCCGGCTAAATTTTGTATTTGTAGATGGG 1440
QY 1441 GTTTCACCATATTAGCCGGCTGGTCTTGAACCTCTGACCTCAGTGATCCACCACTC 1500
DB 1441 GTTTCACCATATTAGCCGGCTGGTCTTGAACCTCTGACCTCAGTGATCCACCACTC 1500
QY 1501 AGCCTCTCTAAAGTGTGGGATTTACAGGCATGATCACCGCCCGGCAAGGGTCAAGT 1560
DB 1501 AGCCTCTCTAAAGTGTGGGATTTACAGGCATGATCACCGCCCGGCAAGGGTCAAGT 1560
QY 1561 TTAATAAGGAATACTGAATGGTTTACTTAACCAACAGGGAACAGAAAGTGTGA 1620
DB 1561 TTAATAAGGAATACTGAATGGTTTACTTAACCAACAGGGAACAGAAAGTGTGA 1620
QY 1621 TAAATTCAGGATTTCTGGGATGGGAATGGTCCATGAGTGTGCTGCTAGTCCAGAC 1680
DB 1621 TAAATTCAGGATTTCTGGGATGGGAATGGTCCATGAGTGTGCTGCTAGTCCAGAC 1680
QY 1681 CACTGGTCTCATCTTTCTTCTCCCTCATCTCTCTTTTTCAGGCTAAGTTAATTTTAT 1740
DB 1681 CACTGGTCTCATCTTTCTTCTCCCTCATCTCTCTTTTTCAGGCTAAGTTAATTTTAT 1740
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DB 1741 CACCATGCTTTTGTGGTAAGCCTCCACATCGTTACTGAAATAGAGTATACATAAAGT 1800
QY 1801 TTTCCATTTGGGCGCAATCTGTGTGTGTATAGGGAGAGGGCATACCCAGAGACTCCT 1860
DB 1801 TTTCCATTTGGGCGCAATCTGTGTGTGTATAGGGAGAGGGCATACCCAGAGACTCCT 1860
QY 1861 TGAAGCCCGGCGAGAGGTTTCTCTCCAGCTGGGGAGCCCTGCAAGCAACCCGGGTCC 1920
DB 1861 TGAAGCCCGGCGAGAGGTTTCTCTCCAGCTGGGGAGCCCTGCAAGCAACCCGGGTCC 1920
QY 1921 TGGGTGTCTGAGCAACCTGCGGAGCCGTCCTGCTGTTGTTTGTATCACTCTCTAG 1980
DB 1921 TGGGTGTCTGAGCAACCTGCGGAGCCGTCCTGCTGTTGTTTGTATCACTCTCTAG 1980
QY 1981 GACCTGTGCTTTCTATTTCTGTGTGACTCTGTTTCTATCTCAGGCAATTTGACAAAT 2040
DB 1981 GACCTGTGCTTTCTATTTCTGTGTGACTCTGTTTCTATCTCAGGCAATTTGACAAAT 2040
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QY 2101 CCTACCTTCTGTGAGGTGACAGTTTCTCATGGAAGACGTGACAGAAATTAATAGCCA 2160
DB 2101 CCTACCTTCTGTGAGGTGACAGTTTCTCATGGAAGACGTGACAGAAATTAATAGCCA 2160
QY 2161 GCCAACTTAAACCCAGTGTGAAAGAAAGAAATAAACCATCTTTGAAGAAATTTGTCGC 2220
DB 2161 GCCAACTTAAACCCAGTGTGAAAGAAAGAAATAAACCATCTTTGAAGAAATTTGTCGC 2220
QY 2221 AGCATCCCTTAAACAGGCCACCTCTAGCGCCCTGCTGCTCCATCTGTCGCCGAGG 2280
DB 2221 AGCATCCCTTAAACAGGCCACCTCTCTAGCGCCCTGCTGCTCCATCTGTCGCCGAGG 2280
QY 2281 CCCCAGGCCAGTCTTCCAGGCTCTCTCCATCAGTACAGCGCTCAGCTGCGCT 2340
DB 2281 CCCCAGGCCAGTCTTCCAGGCTCTCTCCATCAGTACAGCGCTCAGCTGCGCT 2340
QY 2341 GCCTGCTTCCCGTGAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2400
DB 2341 GCCTGCTTCCCGTGAATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2400
QY 2401 CCAGAAAGAAATGAGAGGAAATAGTCTTAAACGAGAAATCTGAGGAGGACAGTGTTC 2460
DB 2401 CCAGAAAGAAATGAGAGGAAATAGTCTTAAACGAGAAATCTGAGGAGGACAGTGTTC 2460
QY 2461 CTGAGAGGAAAGGGGCTCCAGTCCAGGAGAAATCCAGAGGTGGGACTGCGAGGAG 2520
DB 2461 CTGAGAGGAAAGGGGCTCCAGTCCAGGAGAAATCCAGAGGTGGGACTGCGAGGAG 2520
QY 2521 TGGGAGCTGGGCTGAGCGGCTGCTGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2580
DB 2521 TGGGAGCTGGGCTGAGCGGCTGCTGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2580
QY 2581 GCTGCCAGATGTTCAAGTGTGTTTCAAGGCTGGGAGTCTTCCGTTGCTTCTGTCAGC 2640
DB 2581 GCTGCCAGATGTTCAAGTGTGTTTCAAGGCTGGGAGTCTTCCGTTGCTTCTGTCAGC 2640
QY 2641 CTTTTTATCTTTCTCTGTTGGAGGAGAAAGTCTATTTCATGAAGGAGTCAAGTTC 2700
DB 2641 CTTTTTATCTTTCTCTGTTGGAGGAGAAAGTCTATTTCATGAAGGAGTCAAGTTC 2700
QY 2701 ATAAAGTCAGCTGTTAAATTTCCAGGCTGTCATGGGTTTCTTCCAGAGGCTTAT 2760
DB 2701 ATAAAGTCAGCTGTTAAATTTCCAGGCTGTCATGGGTTTCTTCCAGAGGCTTAT 2760
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DB 2761 TTAATGGAATATAGGAAGGAGCTCAATTTCTAGGCGCTTAAATTCAGGAAGAGTAC 2820
QY 2821 TGGAGTCTTTTCTTCAATGTTCTTGGGCAACTACTCAGCCCTGTGTGAGCTTGGCTTA 2880

QY 5040 ATAGGAACCTATTATTGGGGTATGGGTGCATTAATTCGGATGTTCTTTTAAAGAACT 5099
DB 5040 ATAGGAACCTATTATTGGGGTATGGGTGCATTAATTCGGATGTTCTTTTAAAGAACT 5099
QY 5100 CCAACACAGACTTCTGGAAGCTTATTCTTAAGAACTCTGCTGGCAGCGTGAAGCAACCC 5159
DB 5100 CCAACACAGACTTCTGGAAGCTTATTCTTAAGAACTCTGCTGGCAGCGTGAAGCAACCC 5159
QY 5160 CCCTGTGCAAGCCCCCAGCCCTCACGTGGCCACCTCTGTCTTCCCTCCATGAAGGGT 5219
DB 5160 CCCTGTGCAAGCCCCCAGCCCTCACGTGGCCACCTCTGTCTTCCCTCCATGAAGGGT 5219
QY 5220 GGTCTCCAGTATATATAACCTCTCTGGAGCTCGGGCATGAGCCAGCAAG 5271
DB 5220 GGTCTCCAGTATATATAACCTCTCTGGAGCTCGGGCATGAGCCAGCAAG 5271

RESULT 7

US-09-227-881-1
; Sequence 1, Application US/09227881
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Pu
; APPLICANT: Chen, Hua
; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis And
; CURRENT APPLICATION NUMBER: US/09/227,881
; CURRENT FILING DATE: 1999-01-11
; EARLIER APPLICATION NUMBER: US 08/938,669
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 1
; LENGTH: 5300
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-227-881-1

Query Match 99.5%; Score 5246.4; DB 22; Length 5300;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 5269; Conservative 0; Mismatches 1; Indels 2; Gaps 2;
QY 1 ATCTTTGTTTCAGTTTACCTCAGGGCTATTATGAATGAATGAGATAACCAATGTCAAG 60
DB 1 ATCTTTGTTTCAGTTTACCTCAGGGCTATTATGAATGAATGAGATAACCAATGTCAAG 60
QY 61 TCCTATAAAGTATAGCTCCATTCGGATGTATGTCTTTGGCAGGATGATAAGAAATCA 120
DB 61 TCCTATAAAGTATAGCTCCATTCGGATGTATGTCTTTGGCAGGATGATAAGAAATCA 120
QY 121 GGAAGAGGAGTATCCAGTTAGCCAAAGTGTCCAGGCTGTGTCTTTATTATTAGTGA 180
DB 121 GGAAGAGGAGTATCCAGTTAGCCAAAGTGTCCAGGCTGTGTCTTTATTATTAGTGA 180
QY 181 CAGATGTCTCTCTGACAGAGCTATCTTCAGAAACATCATCAATATGTGTAATC 240
DB 181 CAGATGTCTCTCTGACAGAGCTATCTTCAGAAACATCATCAATATGTGTAATC 240
QY 241 CATCAACAGGAGCTAAGAAACAGGAATGAGTGGCACTTGCCCAAGGAAATATGCCAG 300
DB 241 CATCAACAGGAGCTAAGAAACAGGAATGAGTGGCACTTGCCCAAGGAAATATGCCAG 300
QY 301 GAGAGCAAAATATGATGAAATAAATCTTTTCCCTTTGTTTTTAAATTCAGGAAAAATG 360
DB 301 GAGAGCAAAATATGATGAAATAAATCTTTTCCCTTTGTTTTTAAATTCAGGAAAAATG 360
QY 361 ATCAGGACCAAAATCAATGAATGAAGAAACAGCTCAGAAAAGATGTTTCCAAATGG 420
DB 361 ATCAGGACCAAAATCAATGAATGAAGAAACAGCTCAGAAAAGATGTTTCCAAATGG 420
QY 421 TAATTAAGTATTTGTTCTTTGGGAAGAGACCTCCATGTGAGCTTGTATGGGAAATGGAA 480
DB 421 TAATTAAGTATTTGTTCTTTGGGAAGAGACCTCCATGTGAGCTTGTATGGGAAATGGAA 480

QY 481 AAAAGTCAAAAGCATGATCTGATCAGATCCCAAGTGGATATTATTTTAAAAACCAT 540
DB 481 AAAAGTCAAAAGCATGATCTGATCAGATCCCAAGTGGATATTATTTTAAAAACCAT 540
QY 541 GGCATCACTCTGGGAGGCAAGTTTCAGGAAGTCTATGTTAGCAAGGACATAAATAC 600
DB 541 GGCATCACTCTGGGAGGCAAGTTTCAGGAAGTCTATGTTAGCAAGGACATAAATAC 600
QY 601 AGCAAAATCAAAATTCGCAAAATGAGGAGGAAATGGGACTGGGAAAGCTTTTATAC 660
DB 601 AGCAAAATCAAAATTCGCAAAATGAGGAGGAAATGGGACTGGGAAAGCTTTTATAC 660
QY 661 AGTGAATAGGAGTGTGACCATGTTTCGCAACACTCCCGTCTATACAGGGAACACAAA 720
DB 661 AGTGAATAGGAGTGTGACCATGTTTCGCAACACTCCCGTCTATACAGGGAACACAAA 720
QY 721 ATTGACTGGGCTTAAGCTTGGACTTTTCAAGGGAATATGAAAACCTGAGAGCAAAA 780
DB 721 ATTGACTGGGCTTAAGCTTGGACTTTTCAAGGGAATATGAAAACCTGAGAGCAAAA 780
QY 781 GACATGTTAAAGCAACCAAGCAATTTGTAGCCTTCAAAGCAGCAGTGGCCCTCAGCA 840
DB 781 GACATGTTAAAGCAACCAAGCAATTTGTAGCCTTCAAAGCAGCAGTGGCCCTCAGCA 840
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DB 841 GGGACCTGAGGCAATTCGCTTTAGGAGGCGCAGTTTCTTAAGGAATCTTAAGAACTC 900
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DB 901 TTGAAAGATCATGAATTTTAAACCAATTTAAAGTATATAAACAATATGCGATGATCAG 960
QY 961 TTTAGCATGGTCCCAATTTTAAAGTACAGGCAATGAGGATACGTTGCCAGTCC 1020
DB 961 TTTAGCATGGTCCCAATTTTAAAGTACAGGCAATGAGGATACGTTGCCAGTCC 1020
QY 1021 GGATAGGTCAGAAATCATTAGAAATCAGTGTGTCCTCCATCTCTTTCAGAAATGATC 1080
DB 1021 GGATAGGTCAGAAATCATTAGAAATCAGTGTGTCCTCCATCTCTTTCAGAAATGATC 1080
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DB 1081 TGTCTATAGCCCTCACACACAGGCGCGATGTGTCTGACCTTACACACATCTCAACCCAA 1140
QY 1141 GTGCTCAACCATTTGTTAAACCGTGTCTCTAGTAGTCCCATTAAGATGCCACCTCCC 1200
DB 1141 GTGCTCAACCATTTGTTAAACCGTGTCTCTAGTAGTCCCATTAAGATGCCACCTCCC 1200
QY 1201 TGTGAGGCGCCATCCCGCTCCACAGGAAGTCTCCCACTCTAGACTTCTGCATCAGATGT 1260
DB 1201 TGTGAGGCGCCATCCCGCTCCACAGGAAGTCTCCCACTCTAGACTTCTGCATCAGATGT 1260
QY 1261 TACAGCCAGAACTCCGTGAGGCTGTGTCTTACACCTACCTGTATGTCTAC 1320
DB 1261 TACAGCCAGAACTCCGTGAGGCTGTGTCTTACACCTACCTGTATGTCTAC 1320
QY 1321 ACTGAGTCACTGCAACCTCTGCTCCAGGTTCAAGCAATCTCTGTCTCAGCCTCC 1380
DB 1321 ACTGAGTCACTGCAACCTCTGCTCCAGGTTCAAGCAATCTCTGTCTCAGCCTCC 1380
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DB 1381 CGCGTAGCTGGGACTACAGGCGCAGCCCGCTAAATTTTGTATTGTTAGTAGAGATGG 1440
QY 1441 GTTTCACCATATTAGCCCGGCTGTTTGAACCTCTGACCTCAGGTGATCCACCCACTC 1500
DB 1441 GTTTCACCATATTAGCCCGGCTGTTTGAACCTCTGACCTCAGGTGATCCACCCACTC 1500
QY 1501 AGCTCTCTAAAGTGTGGGATTTACAGGATGATGATCCCGCGCCCGCCCAAGGTCAGTGT 1560
DB 1501 AGCTCTCTAAAGTGTGGGATTTACAGGATGATGATCCCGCGCCCGCCCAAGGTCAGTGT 1560

QY 1561 TTAATAAGGAATAAATTGAATGGTTTAACTTAACCAACAGGGGAAAACAGACAAAGCTGTGA 1620
DB |||||
1561 TTAATAAGGAATAAATTGAATGGTTTAACTTAACCAACAGGGGAAAACAGACAAAGCTGTGA 1620
QY 1621 TAAATTCAGGGAATCTTGGGAATGGGAATGFGCCATGAGTGCCTGCTAGTCCAGAC 1680
DB |||||
1621 TAAATTCAGGGAATCTTGGGAATGGGAATGFGCCATGAGTGCCTGCTAGTCCAGAC 1680
QY 1681 CACTGGTCTCATCATCTTCTCCCTCATCTCCATCTTTCAGGCTAAGTTACATTTTAT 1740
DB |||||
1681 CACTGGTCTCATCATCTTCTCCCTCATCTCCATCTTTCAGGCTAAGTTACATTTTAT 1740
QY 1741 CACCATGCTTTTGTGGTAAGCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAG 1800
DB |||||
1741 CACCATGCTTTTGTGGTAAGCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAG 1800
QY 1801 TTCCATTTGGGGCCATCTGTGTGTGTATAGGGAGGAGGCATACCCAGAGACTCCT 1860
DB |||||
1801 TTCCATTTGGGGCCATCTGTGTGTGTATAGGGAGGAGGCATACCCAGAGACTCCT 1860
QY 1861 TGAAGCCCCCGCAGAGGTTTCTCTCCAGCTGGGGAGCCCTGCAAGCACCCGGGTCC 1920
DB |||||
1861 TGAAGCCCCCGCAGAGGTTTCTCTCCAGCTGGGGAGCCCTGCAAGCACCCGGGTCC 1920
QY 1921 TGGGTGTCTGAGCAACCTGCGAGCCCGTGCCACTGGTGTGTTTGTATCACTCTCTAGG 1980
DB |||||
1921 TGGGTGTCTGAGCAACCTGCGAGCCCGTGCCACTGGTGTGTTTGTATCACTCTCTAGG 1980
QY 1981 GACCTGTGCTTTCTATTTCTGTGTGACTGTGTTCAATTCATCAGGCATTCATGACAAAT 2040
DB |||||
1981 GACCTGTGCTTTCTATTTCTGTGTGACTGTGTTCAATTCATCAGGCATTCATGACAAAT 2040
QY 2041 TATTTAGTACTTATCTGCAGACACACAGAGACAAATGTGTGACCAAGCTCACTGC 2100
DB |||||
2041 TATTTAGTACTTATCTGCAGACACACAGAGACAAATGTGTGACCAAGCTCACTGC 2100
QY 2101 CCTACCTTGTGTGAGTGACAGTTTCTCATCGAAGACGTGCAGAGAAATTAATAGCCA 2160
DB |||||
2101 CCTACCTTGTGTGAGTGACAGTTTCTCATCGAAGACGTGCAGAGAAATTAATAGCCA 2160
QY 2161 GCCAACTTAAACCCAGTGTGAAAGAAAGGAAATAAACCATCTTGAAGAAATTTGCGC 2220
DB |||||
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QY 2221 AGCATCTTAAACAGGCCACTCCCTAGCGCCCTGCTGCTCCATCGTGGCCGAGG 2280
DB |||||
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QY 2281 CCCCAGAGCCGAGTCTTCCAGGCTCTCTCCATCAGTCAAGCGCTGAGCTGDCCT 2340
DB |||||
2281 CCCCAGAGCCGAGTCTTCCAGGCTCTCTCCATCAGTCAAGCGCTGAGCTGDCCT 2340
QY 2341 GCCTCGTTCCTCGTGAATGCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2400
DB |||||
2341 GCCTCGTTCCTCGTGAATGCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2400
QY 2401 CCAGAAAGGAAATCGAGGGGAACTAGTCTAAACGAGAGATCTGAGGGGACAGTGTTC 2460
DB |||||
2401 CCAGAAAGGAAATCGAGGGGAACTAGTCTAAACGAGAGATCTGAGGGGACAGTGTTC 2460
QY 2461 CTCAGAGGAAAGGGGCTTCCAGCTCCAGGAGAAATCCAGAGGTGGGACTGAGGAG 2520
DB |||||
2461 CTCAGAGGAAAGGGGCTTCCAGCTCCAGGAGAAATCCAGAGGTGGGACTGAGGAG 2520
QY 2521 TGGGGAACGCTGGGCTGAGCGGTGCTGAAAGGAGGAGGAGGAGGAGGAGGAGGAGG 2580
DB |||||
2521 TGGGGAACGCTGGGCTGAGCGGTGCTGAAAGGAGGAGGAGGAGGAGGAGGAGGAGG 2580
QY 2581 GCTGCCAGAGTTCAGTGTGTTTCAAGGGGCTGGAGTTCCTGCTGCTGCTGCTGCTGCTG 2640
DB |||||
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QY 2641 CTTTTTATCTTCTCTGCTGGAGGAGAGAGTCTATTTTCATGAAAGGATGAGCTTC 2700

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DB |||||
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2761 TTAATGGGAATATAGGAAGCGAGCTCAATTTCTAGGCGGTAAATTCAGGAAGAGTGAC 2820
QY 2821 TGGAGTCTTTTCTTTCATGCTCTCTGGCAACTACTCAGCCCTGCTGGTGGACTTGGCTTA 2880
DB |||||
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QY 2881 TGAAGACGGTTCGAAAAACCTTGGAAATCAGGAGACTCGGTTTCTTCTGTTCTGCCAT 2940
DB |||||
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QY 2941 GGTGGCTGTGCGACCGTGGGCAAGTCTCTCTCTCCCTGGGCCATAGTCTTCTCTCT 3000
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2941 GGTGGCTGTGCGACCGTGGGCAAGTCTCTCTCTCCCTGGGCCATAGTCTTCTCTCT 3000
QY 3001 ATAAAGACCTTGCAGCTCTCGTGTCTGTGAACACTTCCCTGTGATTTCTCTGAGGG 3060
DB |||||
3001 ATAAAGACCTTGCAGCTCTCGTGTCTGTGAACACTTCCCTGTGATTTCTCTGAGGG 3060
QY 3061 GATGTTGAGAGGGAAGGAGGAGCTGGAGCTGAGGAGCTGAGGAGCTGAGGAGCTGAGG 3120
DB |||||
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QY 3121 GGCAGGAAGGCGAGGAGAGCTGGGTCTCCATCTGCTCTCACTGATCAGTCACTC 3180
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QY 3181 CAGGACCGAGGAGCACAATGCTTTCAGGAAAGCTCAATGAACCAACCAACCAACCACT 3240
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3301 GGTAGCTTTTCTGCTGCAATTTCAAAAACTGGGCGAGAGTGGAAAAATGCCAGAGATTG 3360
QY 3361 TTAACCTTTTTCACCTGACCGACACCCCGACAGCTCAGCAGTGAATGCTGACAGCAGG 3420
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QY 3421 AGTGACCTGACGCGAGGGGAGAGAGAAAAAGAGAGGATAGTGTATGAGCAAGAAAG 3480
DB |||||
3421 AGTGACCTGACGCGAGGGGAGAGAGAAAAAGAGAGGATAGTGTATGAGCAAGAAAG 3480
QY 3481 ACAGATTTCAATCAAGGGCAGTGGAAATGACACAGGATTAAGTCCAGTCACTCTGG 3540
DB |||||
3481 ACAGATTTCAATCAAGGGCAGTGGAAATGACACAGGATTAAGTCCAGTCACTCTGG 3540
QY 3541 GTTCTAGGAGGCGAGGCTATATTTGTGGGGGAAAAAATCAGTTCAAGGGAGTGGGAGA 3600
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3601 CTTGATTTCTAATACTAATATTTTCTTTTCAAGCTGAGTAAATTCCTGAGCAAGTCAAG 3660
QY 3661 GTAGTAACTGAGCTCTAAGATTTACTTCTCTCTTCTTCTTCTTCTTCTTCTTCTCTGT 3720
DB |||||
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QY 3721 GGAGTTAGCAGCAGAGGGCAATCCCGTTTCTTTTAAACAGGAGAAAAATTCCTTAAGAG 3780
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3721 GGAGTTAGCAGCAGCAAGGGCAATCCGGTTTCTTTTAAACAGGAAGAAAAATCTCCTTAAGAG 3780
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4740 GAGGGGGAATCTGCGCTTCTATAGGAATGCTCTCCCTGAGGCTGGTAGGTCGTGT 4799
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4860 TGGATCTCAGTTCTTAGCATAGTCCCTGGCAGTGCAGGTTCTCAATGAGTTTTCGACA 4919
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5160 CCTGTGTCACGCCCCCAGCTCAGTGCACCTCTGTCCTTCCCAATGAAAGGCT 5219
5160 CCTGTGTCACGCCCCCAGCTCAGTGCACCTCTGTCCTTCCCAATGAAAGGCT 5219
5220 GGGTCCCAAGTATATATAAACCCTCTGAGGCTCGGGCATGAGCCAGCAAG 5271
5220 GGGTCCCAAGTATATATAAACCCTCTGAGGCTCGGGCATGAGCCAGCAAG 5271

RESULT 8
US-09-985-637A-1
; Sequence 1, Application US/09985637A
; GENERAL INFORMATION:
; APPLICANT: Polansky, Jon
; TITLE OF INVENTION: METHODS TO SCREEN AND TREAT INDIVIDUALS WITH GLAUCOMA OR THE PE
; TITLE OF INVENTION: TO DEVELOP GLAUCOMA
; FILE REFERENCE: 13587.296
; CURRENT APPLICATION NUMBER: US/09/985,637A
; CURRENT FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 5300
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-985-637A-1

Query Match 99.5%; Score 5246.4; DB 38; Length 5300;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 5269; Conservative 0; Mismatches 1; Indels 2; Gaps 2;
QY 1 ATCTTTGTTTACCTTACCTCAGGGCTATTATGAAATGAAATGAGATAACCAATGTGAAG 60
DB 1 ATCTTTGTTTACCTTACCTCAGGGCTATTATGAAATGAAATGAGATAACCAATGTGAAG 60
QY 61 TCCTATAAATCTGATAGCTTCCATTCCGATGATGTCCTTTGGCAGGATGATGAATCA 120
DB 61 TCCTATAAATCTGATAGCTTCCATTCCGATGATGTCCTTTGGCAGGATGATGAATCA 120
QY 121 GGAAGAGGATATCCACGTTAGCCAAAGTGTCCAGGCTGTGTCGTCTTTATTTAGTGA 180
DB 121 GGAAGAGGATATCCACGTTAGCCAAAGTGTCCAGGCTGTGTCGTCTTTATTTAGTGA 180
QY 181 CAGATGTTGCTCCTGACAGAGCTATTCTTCAGGAAACATCATCAATATGTTAAATC 240
DB 181 CAGATGTTGCTCCTGACAGAGCTATTCTTCAGGAAACATCATCAATATGTTAAATC 240
QY 241 CATCAACAGGAGCTTAAGAAAAGGAAATGAGATGGGCACTTGGCCCAAGGAAATGCCAG 300
DB 241 CATCAACAGGAGCTTAAGAAAAGGAAATGAGATGGGCACTTGGCCCAAGGAAATGCCAG 300
QY 301 GAGAGCAATTAATGATGAAATAAATAAATTTTCCCTTTGTTTAAATTTTTCAGGAAAAATG 360

Db 301 GAGAGCAATTAATGATGAAATAAATTAACCTTTTCCCTTTGTTTAAATTTTCAGGAAATATG 360
Qy 361 ATGAGGACCAAAATCAATGAATAGGAAACACAGCTCAGAAAAAGATGTTTCCAAATGG 420
Db 361 ATGAGGACCAAAATCAATGAATAGGAAACACAGCTCAGAAAAAGATGTTTCCAAATGG 420
Qy 421 TAAATTAAGTATTTGTTTCCCTCGGGAAGAGACCTCCATGTGACCTTGATGGGAAATGGAA 480
Db 421 TAAATTAAGTATTTGTTTCCCTCGGGAAGAGACCTCCATGTGACCTTGATGGGAAATGGAA 480
Qy 481 AAACGTCAAAAGCATGATCTGATCAGATCCCAAGTGGATTAATTTTAAACACAGAT 540
Db 481 AAACGTCAAAAGCATGATCTGATCAGATCCCAAGTGGATTAATTTTAAACACAGAT 540
Qy 541 GGCATCACTCGGGAGGCAAGTTTCAGGAAGGTATGTTAGCAAAAGACATTAACATAAC 600
Db 541 GGCATCACTCGGGAGGCAAGTTTCAGGAAGGTATGTTAGCAAAAGACATTAACATAAC 600
Qy 601 AGCAAAATCAAAATTCGCAAAATGCGAGGAAATGGGACTGGGAAAGCTTTTATAAC 660
Db 601 AGCAAAATCAAAATTCGCAAAATGCGAGGAAATGGGACTGGGAAAGCTTTTATAAC 660
Qy 661 AGTGATTAGGAGTGAACATGTTTCGCAACACCTCCCGTCTATACCGAGGAAACACAA 720
Db 661 AGTGATTAGGAGTGAACATGTTTCGCAACACCTCCCGTCTATACCGAGGAAACACAA 720
Qy 721 ATTGACTGGGTAAAGCTTGAACCTTTAGGAAGGCAAGTTTCTTAAGGAATCTTTAAGAACTC 900
Db 721 ATTGACTGGGTAAAGCTTGAACCTTTAGGAAGGCAAGTTTCTTAAGGAATCTTTAAGAACTC 900
Qy 841 GGCACCTGAGGCAATTTGCTTTAGGAAGGCAAGTTTCTTAAGGAATCTTTAAGAACTC 960
Db 841 GGCACCTGAGGCAATTTGCTTTAGGAAGGCAAGTTTCTTAAGGAATCTTTAAGAACTC 960
Qy 901 TTGAAAGATCATGAATTTTAAACCTTTTAAAGTAAACAAATATGAGATGCAATATCAG 960
Db 901 TTGAAAGATCATGAATTTTAAACCTTTTAAAGTAAACAAATATGAGATGCAATATCAG 960
Qy 961 TTTAGACATGGTCCCAATTTTAAAGTCAAGGATCAAGGATTAAGCTGCTCCAGGTCC 1020
Db 961 TTTAGACATGGTCCCAATTTTAAAGTCAAGGATCAAGGATTAAGCTGCTCCAGGTCC 1020
Qy 1021 GGATAGGTGAGAAATCAATTAGAAATCACTGTGTCCCATCTTAACCTTTTTCAGAAATATC 1080
Db 1021 GGATAGGTGAGAAATCAATTAGAAATCACTGTGTCCCATCTTAACCTTTTTCAGAAATATC 1080
Qy 1081 TGTATAGCCCTCACACAGGCGGATGTTCTGACCTTCAACACCATCTAACAACCCAA 1140
Db 1081 TGTATAGCCCTCACACAGGCGGATGTTCTGACCTTCAACACCATCTAACAACCCAA 1140
Qy 1141 GTCCCTCAACCATTTGTTTAAAGTGTCTCAGTAGGTCCCATTTACAAATGCGACCTCCC 1200
Db 1141 GTCCCTCAACCATTTGTTTAAAGTGTCTCAGTAGGTCCCATTTACAAATGCGACCTCCC 1200
Qy 1201 TGTGACGCCCATCCCGCTCCACAGGAAGTCTCCCGCATCTGACCTTCTGATCAGCATGT 1260
Db 1201 TGTGACGCCCATCCCGCTCCACAGGAAGTCTCCCGCATCTGACCTTCTGATCAGCATGT 1260
Qy 1261 TACAGCCAGAGCTCCGTTAGGAGTGGGTCTGTGTCTTACACCTACCTGTATGCTATAC 1320
Db 1261 TACAGCCAGAGCTCCGTTAGGAGTGGGTCTGTGTCTTACACCTACCTGTATGCTATAC 1320
Qy 1321 ACCTGAGCTCACTGCAACCTCTCCCTCCAGAGTTCAAGCAATCTCTCTCAGCCTCC 1380
Db 1321 ACCTGAGCTCACTGCAACCTCTCCCTCCAGAGTTCAAGCAATCTCTCTCAGCCTCC 1380
Qy 1381 CGCGTAGCTGGGACTACAGCGCACCGCCGGCTAAATTTTGTATTTAGTAGAGATGG 1440

Db 1381 CGCGTAGCTGGGACTACAGCGCACCGCCGCTAAATTTTGTATTTAGTAGAGATGG 1440
Qy 1441 GTTTACACATATTAGCCCGGCTGTGTGTAACTCTCTGACCTCAGGTGATCCACCCACTC 1500
Db 1441 GTTTACACATATTAGCCCGGCTGTGTGTAACTCTCTGACCTCAGGTGATCCACCCACTC 1500
Qy 1501 AGCTCTCTAAAGTGTCTGGGATTAACAGGATGAGTACCGCGCCCGGCAAGGGTCAAGT 1560
Db 1501 AGCTCTCTAAAGTGTCTGGGATTAACAGGATGAGTACCGCGCCCGGCAAGGGTCAAGT 1560
Qy 1561 TTAATAGGAATAAATTTGAAATGTTTACTAAACCAACAGGAAACACAGCAAAAGCTGTGA 1620
Db 1561 TTAATAGGAATAAATTTGAAATGTTTACTAAACCAACAGGAAACACAGCAAAAGCTGTGA 1620
Qy 1621 TAAATTCAGGATTTCTTGGGATGGGAAATGGTGCATGAGTGTCTAGTCCCAGAC 1680
Db 1621 TAAATTCAGGATTTCTTGGGATGGGAAATGGTGCATGAGTGTCTAGTCCCAGAC 1680
Qy 1681 CACTGGTCTCATCAGCTTTCTTCCCTCATCTCTATTTTTCAGGCTTAAGTTACCTTTATT 1740
Db 1681 CACTGGTCTCATCAGCTTTCTTCCCTCATCTCTATTTTTCAGGCTTAAGTTACCTTTATT 1740
Qy 1741 CACCATGCTTTTGTGTGTAAGCTTCCACATCGTTTACTGAAATAAGAGTATACATAAATAG 1800
Db 1741 CACCATGCTTTTGTGTGTAAGCTTCCACATCGTTTACTGAAATAAGAGTATACATAAATAG 1800
Qy 1801 TTTCAATTTGGGGCATCTGTGTGTGTATAGGGAGGAGGAGGATACCCAGAGACTCCT 1860
Db 1801 TTTCAATTTGGGGCATCTGTGTGTGTATAGGGAGGAGGAGGATACCCAGAGACTCCT 1860
Qy 1861 TGAAGCCCGGCGAGAGGTTTCTCTCCAGCTCGGGGAGGCTTGCAGAGCAACCGGGTCC 1920
Db 1861 TGAAGCCCGGCGAGAGGTTTCTCTCCAGCTCGGGGAGGCTTGCAGAGCAACCGGGTCC 1920
Qy 1921 TGGGTGTCTGAGCAACCTTCCAGCCGCTGCTGCTGTTGTTTGTATCACTCTCTAGG 1980
Db 1921 TGGGTGTCTGAGCAACCTTCCAGCCGCTGCTGCTGTTGTTTGTATCACTCTCTAGG 1980
Qy 1981 GACCTGTGCTTTCTATTTCTGTGTGATCTGTTTCTATTCATTCAGGCAATTCATTGACAAT 2040
Db 1981 GACCTGTGCTTTCTATTTCTGTGTGATCTGTTTCTATTCATTCAGGCAATTCATTGACAAT 2040
Qy 2041 TATTGAGTACTTATATCTGCCAGACACAGAGCAAAATGCTGAGCAAAAGAGTCACTGC 2100
Db 2041 TATTGAGTACTTATATCTGCCAGACACAGAGCAAAATGCTGAGCAAAAGAGTCACTGC 2100
Qy 2101 CCTACCTCTGTGAGGTGACAGTTTCTCATGGAAGACGTGCAGAGAAATTAATAGCCA 2160
Db 2101 CCTACCTCTGTGAGGTGACAGTTTCTCATGGAAGACGTGCAGAGAAATTAATAGCCA 2160
Qy 2161 GCGAATTAACCCAGTGTCTGAAAGAAAGAAATAAACCAATCTTTGAAAGAAATGTGCGC 2220
Db 2161 GCGAATTAACCCAGTGTCTGAAAGAAAGAAATAAACCAATCTTTGAAAGAAATGTGCGC 2220
Qy 2221 AGCATCCCTTAACAGGCGCACCTCCCTAGGCGCCCTGCTGCTCCTCATCTGTCGCCGAGG 2280
Db 2221 AGCATCCCTTAACAGGCGCACCTCCCTAGGCGCCCTGCTGCTCCTCATCTGTCGCCGAGG 2280
Qy 2281 CCCCCAAGCCCGAGTCTTCCAAAGCTCTCTCTCATCAGTCAAGGCTGTCAGCTGCGCT 2340
Db 2281 CCCCCAAGCCCGAGTCTTCCAAAGCTCTCTCTCATCAGTCAAGGCTGTCAGCTGCGCT 2340
Qy 2341 GCCTGCTTCCGTTGAATGCTCTGTGATCTGAGTGGAGACTCTTGGCTCCAGGCT 2400
Db 2341 GCCTGCTTCCGTTGAATGCTCTGTGATCTGAGTGGAGACTCTTGGCTCCAGGCT 2400
Qy 2401 CCAGAAAGAAATGAGAGGAGAACTAGTCTAAACGAGAACTGAGAGGAGAGTGTTC 2460
Db 2401 CCAGAAAGAAATGAGAGGAGAACTAGTCTAAACGAGAACTGAGAGGAGAGTGTTC 2460
Qy 2461 CTCAGAGGAAAGGGGCTTCCAGCTCCAGGAAATTCAGGAGGTGGGACTGCGAGGAG 2520
Db 2461 CTCAGAGGAAAGGGGCTTCCAGCTCCAGGAAATTCAGGAGGTGGGACTGCGAGGAG 2520

Qy	2521	TGGGACGCTGGGGCTGAGCGGTGCTGAAAGGCAGAAAGGTGAAAGGCGCAAGGCTGAA	2580
Db	2521	TGGGACGCTGGGGCTGAGCGGTGCTGAAAGGCAGAAAGGTGAAAGGCGCAAGGCTGAA	2580
Qy	2581	GCTGCCCAGATGTCACGTGTGTTTCACGGGGCTGGGAGTTTTCCGTGTGCTTCTCTGTGAGC	2640
Db	2581	GCTGCCCAGATGTCACGTGTGTTTCACGGGGCTGGGAGTTTTCCGTGTGCTTCTCTGTGAGC	2640
Qy	2641	CTTTTATCTTTTCTCTGCTTCGAGGAGAGAAAGTCTATTTCATGAAGGATGTCAGTTTC	2700
Db	2641	CTTTTATCTTTTCTCTGCTTCGAGGAGAGAAAGTCTATTTCATGAAGGATGTCAGTTTC	2700
Qy	2701	ATAAGTCAGCTGTAAAAATTCAGGGTGTGCATGGGTTTTCTTCACGAAGGCCCTTTAT	2760
Db	2701	ATAAGTCAGCTGTAAAAATTCAGGGTGTGCATGGGTTTTCTTCACGAAGGCCCTTTAT	2760
Qy	2761	TTAATGGGAATATAGGAAGCGAGCTCATTTCTTAGCCGTTAATTCACGGAAGAGTGAC	2820
Db	2761	TTAATGGGAATATAGGAAGCGAGCTCATTTCTTAGCCGTTAATTCACGGAAGAGTGAC	2820
Qy	2821	TGAGTCTTTTCTTTTCAATGCTTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGCTTTA	2880
Db	2821	TGAGTCTTTTCTTTTCAATGCTTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGCTTTA	2880
Qy	2881	TGCAAGACGCTCGAAAACTTGGAAATCAGGAGACTCGGTTTTCTTTCTGGTTCGCAATT	2940
Db	2881	TGCAAGACGCTCGAAAACTTGGAAATCAGGAGACTCGGTTTTCTTTCTGGTTCGCAATT	2940
Qy	2941	GGTTGGCTGTGCAGCCGTGGGCAAGTGCTCTCCTTCCCTGGGCGCATAGTCTTCTCTGCT	3000
Db	2941	GGTTGGCTGTGCAGCCGTGGGCAAGTGCTCTCCTTCCCTGGGCGCATAGTCTTCTCTGCT	3000
Qy	3001	ATAAAGACCTTGCAGCTCTCGTGTTCGTGTGAACACTTCCCTCTGTGATTTCTGTGAGGG	3060
Db	3001	ATAAAGACCTTGCAGCTCTCGTGTTCGTGTGAACACTTCCCTCTGTGATTTCTGTGAGGG	3060
Qy	3061	GGATGTGAGAGGGGAAGGAGGCGAGCTGGAGCGCTGAGCCACAGGGGAGTGAGAGG	3120
Db	3061	GGATGTGAGAGGGGAAGGAGGCGAGCTGGAGCGCTGAGCCACAGGGGAGTGAGAGG	3120
Qy	3121	GGACAGGAGGCGAGGAGAGCTGGGTGCTCCATCAGTCTCTACTGATACAGCTCAGATC	3180
Db	3121	GGACAGGAGGCGAGGAGAGCTGGGTGCTCCATCAGTCTCTACTGATACAGCTCAGATC	3180
Qy	3181	CAGGACCGAGGCCAATGCTTCAGAAAGCTCAATGAACCCAAAGCCACCAATTTTCT	3240
Db	3181	CAGGACCGAGGCCAATGCTTCAGAAAGCTCAATGAACCCAAAGCCACCAATTTTCT	3240
Qy	3241	TCCCTAAGCATAGACATGGCATTTGGCAATACCAAAAGATGACAGAGCTAACTGGT	3300
Db	3241	TCCCTAAGCATAGACATGGCATTTGGCAATACCAAAAGATGACAGAGCTAACTGGT	3300
Qy	3301	GGTAGCTTTTGCCTGGCATTCAAAAAATGGGGCCACAGACAAAGTGAAAAATGCCAGAGATTG	3360
Db	3301	GGTAGCTTTTGCCTGGCATTCAAAAAATGGGGCCACAGACAAAGTGAAAAATGCCAGAGATTG	3360
Qy	3361	TTAAACTTTTCCCTGACAGCACCCACCGAGCTCAGCAGTGATCTGTGACAGCACGG	3420
Db	3361	TTAAACTTTTCCCTGACAGCACCCACCGAGCTCAGCAGTGATCTGTGACAGCACGG	3420
Qy	3421	AGTCACCTGACCGCAGGGGAGGAGAAAAAGAGAGGATAGTGTATCAGCAAGAAAG	3480
Db	3421	AGTCACCTGACCGCAGGGGAGGAGAAAAAGAGAGGATAGTGTATCAGCAAGAAAG	3480
Qy	3481	ACAGATTCATTCAGAGGCGAGTGGGAAATTTGACCACAGGGATTTATAGTCCAGTGAATCTGTG	3540
Db	3481	ACAGATTCATTCAGAGGCGAGTGGGAAATTTGACCACAGGGATTTATAGTCCAGTGAATCTGTG	3540
Qy	3541	GTTCTAGAGGCGAGGCTATATTGTGGGGGAAAAAATTCAGTTCAGGGGAAGTCGGAGA	3600
Db	3541	GTTCTAGAGGCGAGGCTATATTGTGGGGGAAAAAATTCAGTTCAGGGGAAGTCGGAGA	3600

QY	3601	CCTGATTTCTAATACATATATTTTTCTTTTACAAGCTGAGTAATTTCTGAGCAAGTCAACAAG	3660
DB	3601	CCTGATTTCTTAAATACATATATTTTTCTTTTACAAGCTGAGTAATTTCTGAGCAAGTCAACAAG	3660
QY	3661	GTAGTAACCTGAGGCTGTAGATTTACATTAGTTTCTCCTTATTAGGAACCTCTTTTCTCTCTGT	3720
DB	3661	GTAGTAACCTGAGGCTGTAGATTTACATTAGTTTCTCCTTATTAGGAACCTCTTTTCTCTCTGT	3720
QY	3721	GGAGTTTAGCAGCACAAAGGGCAATCCCGTTTCTTTTAAACAGGAAGAAAAATTCTCTTAAGAG	3780
DB	3721	GGAGTTTAGCAGCACAAAGGGCAATCCCGTTTCTTTTAAACAGGAAGAAAAATTCTCTTAAGAG	3780
QY	3781	TAAAGCCAAACAGATTTCAAGCCTAGGTCTTGCTGACTATATGATTTGGTTTTTTTGAAGAAAT	3840
DB	3781	TAAAGCCAAACAGATTTCAAGCCTAGGTCTTGCTGACTATATGATTTGGTTTTTTTGAAGAAAT	3840
QY	3841	CATTTTCAGCGACTTTTACTATCTGATTCAGAAATGAGACTAGTACCCCTTTGGTCTGAGCTG	3900
DB	3841	CATTTTCAGCGACTTTTACTATCTGATTCAGAAATGAGACTAGTACCCCTTTGGTCTGAGCTG	3900
QY	3901	TAAACAAACACCCAGTTGTAAATGTCTCAAGTTTCAGGCTTAACTGCAGAAACCAATCAAA-	3959
DB	3901	TAAACAAACACCCATTTGTAAATGTCTCAAGTTTCAGGCTTAACTGCAGAAACCAATCAAAAT	3960
QY	3960	AAGAATAGAAATCTTTTAGAGCAAACTGTGTTTTCTCCACATCTGAGGTGAGTCTGCCAGGG	4019
DB	3961	AAGAATAGAAATCTTTTAGAGCAAACTGTGTTTTCTCCAC-TCTGGAGGTGAGTCTGCCAGGG	4019
QY	4020	CAGTTTGGAAATATTTACTTTCACAAGTATTGACACTGTTGGTATTAAACAACATAAAG	4079
DB	4020	CAGTTTGGAAATATTTACTTTCACAAGTATTGACACTGTTGGTATTAAACAACATAAAG	4079
QY	4080	TTGCTCAAAAGGCAATCATTTATTTCAAGTGGCTTAAAGTTTACTTCTGACAGTTTGGTATA	4139
DB	4080	TTGCTCAAAAGGCAATCATTTATTTCAAGTGGCTTAAAGTTTACTTCTGACAGTTTGGTATA	4139
QY	4140	TTTATTTGGCTATTGCGCAATTTGTTTTTTTTTTTTTTTTCTTTGGTTTTTAAATGTAAGCA	4199
DB	4140	TTTATTTGGCTATTGCGCAATTTGTTTTTTTTTTTTTTTTCTTTGGTTTTTAAATGTAAGCA	4199
QY	4200	GGGATTTATTAACTACAGTCCAGAAAGCCGTGCAATTTGCAATCGAGGAAAAAATTCACATTT	4259
DB	4200	GGGATTTATTAACTACAGTCCAGAAAGCCGTGCAATTTGCAATCGAGGAAAAAATTCACATTT	4259
QY	4260	TTGTTTTTACCACCTTCTAACTAAATTTAACTATTTTCCATTGCGAATAGAGCCATAA	4319
DB	4260	TTGTTTTTACCACCTTCTAACTAAATTTAACTATTTTCCATTGCGAATAGAGCCATAA	4319
QY	4320	ACTCAAAGTGGTAAATAACAGTACTGTGATTTGTCATTTACCAATAGAAATCAACAGCAT	4379
DB	4320	ACTCAAAGTGGTAAATAACAGTACTGTGATTTGTCATTTACCAATAGAAATCAACAGCAT	4379
QY	4380	TTTATACATATTTACAGTCTGTCGAGATACGTTGTAGTGAATATTTTACTCAAAACT	4439
DB	4380	TTTATACATATTTACAGTCTGTCGAGATACGTTGTAGTGAATATTTTACTCAAAACT	4439
QY	4440	ACTTTGAAATTTAGACCTCTCGCTGGATCTTGTTTTTTAAACATATTTAATAAACATGTTTAA	4499
DB	4440	ACTTTGAAATTTAGACCTCTCGCTGGATCTTGTTTTTTAAACATATTTAATAAACATGTTTAA	4499
QY	4500	AAATTTTGATATTTTGATAAATCAATTTTCATTTATCTATTTGTTTTCTTTTGTAAATCTATATTT	4559
DB	4500	AAATTTTGATATTTTGATAAATCAATTTTCATTTATCTATTTGTTTTCTTTTGTAAATCTATATTT	4559
QY	4560	TATATATTTGAAAAATCTTTTCTGAGAGAGTTCCTCCAGATTTTCACCAATGAGGTTCTTG	4619
DB	4560	TATATATTTGAAAAATCTTTTCTGAGAGAGTTCCTCCAGATTTTCACCAATGAGGTTCTTG	4619
QY	4620	GCATGCACACACAGAGTAAAGAACTGATTTTAGAGGCTAACTATTTAGGCTGAGTCTGAG	4679
DB	4620	GCATGCACACACAGAGTAAAGAACTGATTTTAGAGGCTAACTATTTAGGCTGAGTCTGAG	4679
QY	4680	ATGCAAGAATGAAATTTAGAAAGTTCTCCCAAGATACACAGTTGTTTTTAAACTAGGGGT	4739

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Db      4680 ATGCAAGACTGAAATAGAAAGTCTCCCAAGATACACAGTTGTTTAAAGCTAGGGGT 4739
Qy      4740 GAGGGGGAATATCGCCCTCTATAGGAATGCTCTCCCTGGAGCCTGGTAGGTGCTGT 4799
Db      4740 GAGGGGGAATATCGCCCTCTATAGGAATGCTCTCCCTGGAGCCTGGTAGGTGCTGT 4799
Qy      4800 CTTGTGTTCTGGGCTGGCTGTTATTTTCTGTCTCCCTGCTACGTCCTTAAAGGACTTGT 4859
Db      4800 CTTGTGTTCTGGGCTGGCTGTTATTTTCTGTCTCCCTGCTACGTCCTTAAAGGACTTGT 4859
Qy      4860 TGGATCTCCAGTCTTACGATAGTCCCTGGGCAAGTGCAGTCTCAATGATTTGCGAGA 4919
Db      4860 TGGATCTCCAGTCTTACGATAGTCCCTGGGCAAGTGCAGTCTCAATGATTTGCGAGA 4919
Qy      4920 GTGAATGGAATATAAAGTATATATATCTGTCTGTAATGGAATGGAATGGAATGGAAT 4979
Db      4920 GTGAATGGAATATAAAGTATATATATCTGTCTGTAATGGAATGGAATGGAATGGAAT 4979
Qy      4980 GTGTAAGTGTGTACGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 5039
Db      4980 GTGTAAGTGTGTACGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 5039
Qy      5040 ATAGGAATATATATGAGGATATGAGGATATGAGGATATGAGGATATGAGGATATGAGG 5099
Db      5040 ATAGGAATATATATGAGGATATGAGGATATGAGGATATGAGGATATGAGGATATGAGG 5099
Qy      5100 CCAACAGACTCTGAGGATATATATATATATATATATATATATATATATATATATATAT 5159
Db      5100 CCAACAGACTCTGAGGATATATATATATATATATATATATATATATATATATATATAT 5159
Qy      5160 CCCTGTGCACAGCCCAAGCTCTGAGGATATATATATATATATATATATATATATATATAT 5219
Db      5160 CCCTGTGCACAGCCCAAGCTCTGAGGATATATATATATATATATATATATATATATATAT 5219
Qy      5220 GGCTCCCAATATATATATATATATATATATATATATATATATATATATATATATATATAT 5271
Db      5220 GGCTCCCAATATATATATATATATATATATATATATATATATATATATATATATATATAT 5271

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RESULT 9

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US-10-244-633-1
; Sequence 1, Application US/10244633
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Hu
; APPLICANT: Chen, Hua
; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis,
; TITLE OF INVENTION: Prognosis And Treatment Of Glaucoma And Related
; TITLE OF INVENTION: Disorders
; FILE REFERENCE: 07425.0057.US01
; CURRENT APPLICATION NUMBER: US/10/244,633
; CURRENT FILING DATE: 2002-09-17
; PRIOR APPLICATION NUMBER: US/09/306,828
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/227,881
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 1
; LENGTH: 5300
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-244-633-1

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Query Match      99.5%; Score 5246.4; DB 43; Length 5300;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 5269; Conservative 0; Mismatches 1; Indels 2; Gaps 2;

Qy      1 ATCTTTGTTTACCTCAGGCTATATGAAATGAAATGAAATGAAATGAAATGAAATGAAAG 60
Db      1 ATCTTTGTTTACCTCAGGCTATATGAAATGAAATGAAATGAAATGAAATGAAATGAAAG 60

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Qy      61 TCCTATAAATGTTATAGCTCCATTCGATGTATGTCTTTGGCAGGATGATAAGAAATCA 120
Db      61 TCCTATAAATGTTATAGCTCCATTCGATGTATGTCTTTGGCAGGATGATAAGAAATCA 120
Qy      121 GGAAGAAGGAGTATCCACGTTAGCCAAAGTGTCCAGAGGTGTCTGTCTTATTTTAGTGA 180
Db      121 GGAAGAAGGAGTATCCACGTTAGCCAAAGTGTCCAGAGGTGTCTGTCTTATTTTAGTGA 180
Qy      181 CAGATGTTGCTCTCGACAGAGCTATTCCTCAGGAAAATCATCATCATCATCATCATCATCAT 240
Db      181 CAGATGTTGCTCTCGACAGAGCTATTCCTCAGGAAAATCATCATCATCATCATCATCATCAT 240
Qy      241 CATCAACAGAGCTAAGAAACAGGAAATGAGATGGGCACTTGCCTCAAGGAAAATGCCAG 300
Db      241 CATCAACAGAGCTAAGAAACAGGAAATGAGATGGGCACTTGCCTCAAGGAAAATGCCAG 300
Qy      301 GAGAGCAAAATTAATGATGAAAATAAATCTTTTCCCTTTTGTGTTTAAATTTTCAGGAAAATG 360
Db      301 GAGAGCAAAATTAATGATGAAAATAAATCTTTTCCCTTTTGTGTTTAAATTTTCAGGAAAATG 360
Qy      361 ATGAGGACCAAAATCAATGAATGAAGAAAACAGCTCAGAAAATGAGATGTTTCCAAATGG 420
Db      361 ATGAGGACCAAAATCAATGAATGAAGAAAACAGCTCAGAAAATGAGATGTTTCCAAATGG 420
Qy      421 TAATTAAGTATTTTGTCTTGGGAAGAGACCTCCATGTGAGCTTGTATGAGGAAAATGGAA 480
Db      421 TAATTAAGTATTTTGTCTTGGGAAGAGACCTCCATGTGAGCTTGTATGAGGAAAATGGAA 480
Qy      481 AAACGTCAAAAGCATGATCTGATCAGATCCCAAGTGGATTAATTTTAAACCAACAGAT 540
Db      481 AAACGTCAAAAGCATGATCTGATCAGATCCCAAGTGGATTAATTTTAAACCAACAGAT 540
Qy      541 GGCATCACTCTGGGAGGCAAGTTTCAAGAAAGTTCATGTTAGCAAGGACATACAAATAC 600
Db      541 GGCATCACTCTGGGAGGCAAGTTTCAAGAAAGTTCATGTTAGCAAGGACATACAAATAC 600
Qy      601 AGCAAAATCAAAATTCGCAAAATGCAAGGAGGAAAATGGGACCTGGGAAAGCTTTCATAC 660
Db      601 AGCAAAATCAAAATTCGCAAAATGCAAGGAGGAAAATGGGACCTGGGAAAGCTTTCATAC 660
Qy      661 AGTGATTAGGACGTTGACCATGTTTCGCAACACCTCCCTGCTATATACAGGAGGAAACAAA 720
Db      661 AGTGATTAGGACGTTGACCATGTTTCGCAACACCTCCCTGCTATATACAGGAGGAAACAAA 720
Qy      721 ATTGACTGGGCTAAGCCTGACCTTTCAAGGAAATATGAAAATCTGAGAGCAAAACAAA 780
Db      721 ATTGACTGGGCTAAGCCTGACCTTTCAAGGAAATATGAAAATCTGAGAGCAAAACAAA 780
Qy      781 GACATGTTTAAAGGCAACACAGAACATTTGAGCCTTCAAGCAGCAGTCCCTCAGCA 840
Db      781 GACATGTTTAAAGGCAACACAGAACATTTGAGCCTTCAAGCAGCAGTCCCTCAGCA 840
Qy      841 GGGACCTCTGAGGCAATTTGCTTTTAGGAGGCCAGTTTCTTAAGGAATCTTAAGAAATC 900
Db      841 GGGACCTCTGAGGCAATTTGCTTTTAGGAGGCCAGTTTCTTAAGGAATCTTAAGAAATC 900
Qy      901 TTGAAAGATCATGAATTTTAAACATTTTAAAGTATATAAACAATATGCGATGCAATATCAG 960
Db      901 TTGAAAGATCATGAATTTTAAACATTTTAAAGTATATAAACAATATGCGATGCAATATCAG 960
Qy      961 TTTAGACATGGCTCCCAATTTTAAAGTCAGGCAATGAGGATACGTTCCAGCTCC 1020
Db      961 TTTAGACATGGCTCCCAATTTTAAAGTCAGGCAATGAGGATACGTTCCAGCTCC 1020
Qy      1021 GGATAGGTCAGAAATCATTTAGAAATCCTGTGTCCCTCCTTAACTTTTTCAGAAATGATC 1080
Db      1021 GGATAGGTCAGAAATCATTTAGAAATCCTGTGTCCCTCCTTAACTTTTTCAGAAATGATC 1080
Qy      1081 TGTCTATAGCCCTCACACAGGCGCGATGTGTCTGACCTTACCAACCACTCTACAAACCCAA 1140
Db      1081 TGTCTATAGCCCTCACACAGGCGCGATGTGTCTGACCTTACCAACCACTCTACAAACCCAA 1140

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QY	1141	GTGCTCAACCAATTGTTAAGTGTCTATCTCAGTAGGTCCCATTAACAAATGCCACCTCC	1200
Db	1141	GTGCTCAACCAATTGTTAAGTGTCTATCTCAGTAGGTCCCATTAACAAATGCCACCTCC	1200
QY	1201	TGTGACGCCCATCCGCTCCACAGGAAGTCTCCCACTCTAGACTTCTTGATCAGCATGT	1260
Db	1201	TGTGACGCCCATCCGCTCCACAGGAAGTCTCCCACTCTAGACTTCTTGATCAGCATGT	1260
QY	1261	TACAGCCAGAAAGTCCGTGAGGGTGTGTGTCTTTACACCTACCTGTATGCTCTAC	1320
Db	1261	TACAGCCAGAAAGTCCGTGAGGGTGTGTGTCTTTACACCTACCTGTATGCTCTAC	1320
QY	1321	ACCTGAGCTCACTGCAACCTCTGCTCCCAAGTTCAAGCAATTTCTCTGCTCAGCTCC	1380
Db	1321	ACCTGAGCTCACTGCAACCTCTGCTCCCAAGTTCAAGCAATTTCTCTGCTCAGCTCC	1380
QY	1381	CGGTGAGTGGGACTACAGGCGACCGCCGGCTAAATTTTGTATTTGTAGTAGAGTGG	1440
Db	1381	CGGTGAGTGGGACTACAGGCGACCGCCGGCTAAATTTTGTATTTGTAGTAGAGTGG	1440
QY	1441	GTTCACCAATTAGCCCGCTGGTCTTGAACTCCTGACCTCAGGTGATCCACCACTTC	1500
Db	1441	GTTCACCAATTAGCCCGCTGGTCTTGAACTCCTGACCTCAGGTGATCCACCACTTC	1500
QY	1501	AGCTCTTAAGTCTGGGATTACAGGCATGAGTCAAGCGCCGCGCCAGGGTCAAGTGT	1560
Db	1501	AGCTCTTAAGTCTGGGATTACAGGCATGAGTCAAGCGCCGCGCCAGGGTCAAGTGT	1560
QY	1561	TTAATAGGAATTAATTTGAATGGTTTAACTAAACCAAGGAAACAGACAAAGCTGTGA	1620
Db	1561	TTAATAGGAATTAATTTGAATGGTTTAACTAAACCAAGGAAACAGACAAAGCTGTGA	1620
QY	1621	TAATTTCAAGGAATTTGGGAATGGGAATGGTGATGAGTGTGCTGCTGCTCCAGAC	1680
Db	1621	TAATTTCAAGGAATTTGGGAATGGGAATGGTGATGAGTGTGCTGCTGCTCCAGAC	1680
QY	1681	CAGTGTCTCATCATTCTTCCCTCATCTCATCTTTCAGGCTTAAGTTACCAATTTATT	1740
Db	1681	CAGTGTCTCATCATTCTTCCCTCATCTCATCTTTCAGGCTTAAGTTACCAATTTATT	1740
QY	1741	CACCATCTTTTGTGTGTAAGCTTCCACATCGTTACTGAAATTAAGAGTATACATAAAGT	1800
Db	1741	CACCATCTTTTGTGTGTAAGCTTCCACATCGTTACTGAAATTAAGAGTATACATAAAGT	1800
QY	1801	TTCCATTGGGGCCATCTGTGTGTGTATAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1860
Db	1801	TTCCATTGGGGCCATCTGTGTGTGTATAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1860
QY	1861	TGAAGCCCGGACAGAGGTTTCCCTCCAGCTGGGAGGAGGAGGAGGAGGAGGAGGAGG	1920
Db	1861	TGAAGCCCGGACAGAGGTTTCCCTCCAGCTGGGAGGAGGAGGAGGAGGAGGAGGAGG	1920
QY	1921	TGGGTGTCTGAGCAACTGCGAGCCGCTGCACTGGTGTGTGTGTGTGTGTGTGTGTGTGT	1980
Db	1921	TGGGTGTCTGAGCAACTGCGAGCCGCTGCACTGGTGTGTGTGTGTGTGTGTGTGTGTGT	1980
QY	1981	GACCTGTGTCTTCTATTCTGTGTGACTGTGTTCAATTCATCCAGGCAATTCATGCAATTT	2040
Db	1981	GACCTGTGTCTTCTATTCTGTGTGACTGTGTTCAATTCATCCAGGCAATTCATGCAATTT	2040
QY	2041	TATTGAGTACTTATCTGCGACACACAGAGACAAATTTGGTGAAGCAAGCAGTCACTGC	2100
Db	2041	TATTGAGTACTTATCTGCGACACACAGAGACAAATTTGGTGAAGCAAGCAGTCACTGC	2100
QY	2101	CCTACCTTCGTGAGGTGACAGTTTCTCATGAGAGAGTGCAGAGAAATTAATAGCCA	2160
Db	2101	CCTACCTTCGTGAGGTGACAGTTTCTCATGAGAGAGTGCAGAGAAATTAATAGCCA	2160
QY	2161	GCCAACTTAAACCCAGTGTGAAAGAAAGGAATTAACACCATCTTGAAGAAATTTGCGGC	2220
Db	2161	GCCAACTTAAACCCAGTGTGAAAGAAAGGAATTAACACCATCTTGAAGAAATTTGCGGC	2220
QY	2221	AGCATCCCTTAAAGGCCACCTCCCTAGCGCCCCCTGCTCCATCTGTCGCCGAGG	2280

Db	2221	AGCATCCCTTAAAGGCCACCTCCCTAGCGCCCCCTGCTCCATCTGTCGCCGAGG	2280
QY	2281	CCCCAAGCCCGAGTCTTCCAAAGCCTCTCTCCATCAGTCAAGGCTGCGAGCTGGCCT	2340
Db	2281	CCCCAAGCCCGAGTCTTCCAAAGCCTCTCTCCATCAGTCAAGGCTGCGAGCTGGCCT	2340
QY	2341	GCCTCGCTTCCCGTGAATGCTCTGTCATCTGAGCTGAGACTCTTGGGTCCAGGCT	2400
Db	2341	GCCTCGCTTCCCGTGAATGCTCTGTCATCTGAGCTGAGACTCTTGGGTCCAGGCT	2400
QY	2401	CCAGAAAGAAATGAGAGGGGAAATCTAGTCTAACCGAGAAATCTGAGGGGACAGTGTTC	2460
Db	2401	CCAGAAAGAAATGAGAGGGGAAATCTAGTCTAACCGAGAAATCTGAGGGGACAGTGTTC	2460
QY	2461	CTCAGAGGAAAGGGGCTTCCAGTCCAGGAGAAATTCAGAGAGTGGGACTGCGAGGAG	2520
Db	2461	CTCAGAGGAAAGGGGCTTCCAGTCCAGGAGAAATTCAGAGAGTGGGACTGCGAGGAG	2520
QY	2521	TGGGAGCGCTGGGGCTGAGCGGCTGCTGAAAGGAGGAGGAGGAGGAGGAGGAGGAG	2580
Db	2521	TGGGAGCGCTGGGGCTGAGCGGCTGCTGAAAGGAGGAGGAGGAGGAGGAGGAGGAG	2580
QY	2581	GCTGCCAGATGTTTCTGTTTTCAGTGTGTTTTCAGCGGGCTGGAGTTCCTGTTGAGC	2640
Db	2581	GCTGCCAGATGTTTCTGTTTTCAGTGTGTTTTCAGCGGGCTGGAGTTCCTGTTGAGC	2640
QY	2641	CTTTTATCTTCTGCTTGGAGGAGGAGTCTATTTTTCATGAGGAGTGCAGTTTC	2700
Db	2641	CTTTTATCTTCTGCTTGGAGGAGGAGTCTATTTTTCATGAGGAGTGCAGTTTC	2700
QY	2701	ATAAAGTCAAGCTTAAATTTTCAAGGCTGCTGATGGGTTTTCCTTCAAGAGGCTTTAT	2760
Db	2701	ATAAAGTCAAGCTTAAATTTTCAAGGCTGCTGATGGGTTTTCCTTCAAGAGGCTTTAT	2760
QY	2761	TTAATGGGAAATAGGAAGCAGCTCATTTCTAGCCGCTTAATTCACGGAAGAGTGAC	2820
Db	2761	TTAATGGGAAATAGGAAGCAGCTCATTTCTAGCCGCTTAATTCACGGAAGAGTGAC	2820
QY	2821	TGAGTCTTTTCTTTCATGTTCTTGGGCAACTCTACGCGCTGTTGGTGGACTTGCCTTA	2880
Db	2821	TGAGTCTTTTCTTTCATGTTCTTGGGCAACTCTACGCGCTGTTGGTGGACTTGCCTTA	2880
QY	2881	TGCAAGCGCTCGAAACCTTGGAAATCAGGAGCTCGGTTTCTTCTGTTCTGCAAT	2940
Db	2881	TGCAAGCGCTCGAAACCTTGGAAATCAGGAGCTCGGTTTCTTCTGTTCTGCAAT	2940
QY	2941	GGTTGGCTGTGCGACCGTGGCAAGTGTCTCTCTTCTGCGCCATAGTCTCTGCT	3000
Db	2941	GGTTGGCTGTGCGACCGTGGCAAGTGTCTCTCTTCTGCGCCATAGTCTCTGCT	3000
QY	3001	ATAAGACCTTTCAGCTCTCTGTTTCTGTAACACTTCCCTGTTGATTTCTCTGAGGGG	3060
Db	3001	ATAAGACCTTTCAGCTCTCTGTTTCTGTAACACTTCCCTGTTGATTTCTCTGAGGGG	3060
QY	3061	GGATGTTGAGAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	3120
Db	3061	GGATGTTGAGAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	3120
QY	3121	GGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	3180
Db	3121	GGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	3180
QY	3181	CAGGACCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	3240
Db	3181	CAGGACCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	3240
QY	3241	TCCCTAAGCATAGCAATGGCATTTGCCAATTAACCAAAAGAAATGAGAGACTTAACTGGT	3300
Db	3241	TCCCTAAGCATAGCAATGGCATTTGCCAATTAACCAAAAGAAATGAGAGACTTAACTGGT	3300
QY	3301	GCTAGCTTTTCTGCTGCTTCAAAAATCTGGGCGAGAGGAGGAGGAGGAGGAGGAGG	3360

; LENGTH: 5300
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-741-339-1

Query Match 99.5%; Score 5246.4; DB 61; Length 5300;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 5269; Conservative 0; Mismatches 1; Indels 2; Gaps 2;

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Db	961	TTTAGACATGGGTCCCAATTTTATAAAGTCAGGCATACAAGGATACCGTGTCCAGCTCC	1020
Qy	1021	GGATAGGTGAGAAATCATTTAGAAATCACHGTGTCCCATCTTAACTTTTTCAGATGATC	1080
Db	1021	GGATAGGTGAGAAATCATTTAGAAATCACHGTGTCCCATCTTAACTTTTTCAGATGATC	1080
Qy	1081	TGTCATAGCCCTCACACAGAGCCCGATGTGTGACCTACAACACATCTCAACCCCAA	1140
Db	1081	TGTCATAGCCCTCACACAGAGCCCGATGTGTGACCTACAACACATCTCAACCCCAA	1140
Qy	1141	GTGCCTCAACCAATGTTTAACTGATCTCAGTAGGTCCCATTAACAATGCGACCTCCCC	1200
Db	1141	GTGCCTCAACCAATGTTTAACTGATCTCAGTAGGTCCCATTAACAATGCGACCTCCCC	1200
Qy	1201	TGTCAGCCCATCCCGCTCCACAGGAAGTCTCCCACTCTAGACTTCTGCATCACGATGT	1260
Db	1201	TGTCAGCCCATCCCGCTCCACAGGAAGTCTCCCACTCTAGACTTCTGCATCACGATGT	1260
Qy	1261	TACAGCCAGAAGCTCCGTGAGGCTGAGGCTGTGTCTTACACCTACCTGTATGCTCTAC	1320
Db	1261	TACAGCCAGAAGCTCCGTGAGGCTGAGGCTGTGTCTTACACCTACCTGTATGCTCTAC	1320
Qy	1321	ACCTGAGCTCATGCGAACCCTCTGCTCCAGGTTCAAGCAATTCCTCCTCTCAGCCTCC	1380
Db	1321	ACCTGAGCTCATGCGAACCCTCTGCTCCAGGTTCAAGCAATTCCTCCTCTCAGCCTCC	1380
Qy	1381	CGCGTAGCTGGGACTACAGCGCAGCCCGGCTAAATTTTGTATTTAGTAGTAGAGATGG	1440
Db	1381	CGCGTAGCTGGGACTACAGCGCAGCCCGGCTAAATTTTGTATTTAGTAGTAGAGATGG	1440
Qy	1441	GTTTTACCATTATPAGCCCGCTGTCTTGAACCTCTGACCTCAGGTGATCCACCCACCTC	1500
Db	1441	GTTTTACCATTATPAGCCCGCTGTCTTGAACCTCTGACCTCAGGTGATCCACCCACCTC	1500
Qy	1501	AGCCTCCTAAAGTGTCTGGGATTTACAGGCATGATGACCGGCCCGGCCAAGGCTCAGTGT	1560
Db	1501	AGCCTCCTAAAGTGTCTGGGATTTACAGGCATGATGACCGGCCCGGCCAAGGCTCAGTGT	1560
Qy	1561	TTAATAAGGAATAAATTTGAATGGTTTACTAAACCAACAGGGAACAGACAAAAGCTGTGA	1620
Db	1561	TTAATAAGGAATAAATTTGAATGGTTTACTAAACCAACAGGGAACAGACAAAAGCTGTGA	1620
Qy	1621	TAAATTTTCAAGGATCTTGGATGGGGAATGGTGCCATGAGTCGCTCCTAGTCCCGAGC	1680
Db	1621	TAAATTTTCAAGGATCTTGGATGGGGAATGGTGCCATGAGTCGCTCCTAGTCCCGAGC	1680
Qy	1681	CACGTGCTCTCATCTTTCTCCCTCATCTCTCATTTTCAGGCTAAGTTACCAATTTTATT	1740
Db	1681	CACGTGCTCTCATCTTTCTCCCTCATCTCTCATTTTCAGGCTAAGTTACCAATTTTATT	1740
Qy	1741	CACCATGTTTTGTGTAAAGCTTCCACATCGTTTACTGAAATAAGAGTATACATAAAGCTAG	1800
Db	1741	CACCATGTTTTGTGTAAAGCTTCCACATCGTTTACTGAAATAAGAGTATACATAAAGCTAG	1800
Qy	1801	TTCCATTTGGGGCCATCTGTGTGTGTATAGGGGAGGAGGCATACCCACAGAGCTCCT	1860
Db	1801	TTCCATTTGGGGCCATCTGTGTGTGTATAGGGGAGGAGGCATACCCACAGAGCTCCT	1860
Qy	1861	TGAAGCCCCCGGAGAGGTTTCTCTCCAGCTGGGGAGCCCTGCAAGCACCCGGGGTCC	1920
Db	1861	TGAAGCCCCCGGAGAGGTTTCTCTCCAGCTGGGGAGCCCTGCAAGCACCCGGGGTCC	1920
Qy	1921	TGGGTGTCGAGCAACTGCGACCGGTGCGCACTGGTGTGTTTTGTATACACTCTTAGG	1980
Db	1921	TGGGTGTCGAGCAACTGCGACCGGTGCGCACTGGTGTGTTTTGTATACACTCTTAGG	1980
Qy	1981	GACCTGTTGCTTTCTATTCTGTGTGACTCGTTTCATTTCATCCAGGCATTCATTGACAAAT	2040
Db	1981	GACCTGTTGCTTTCTATTCTGTGTGACTCGTTTCATTTCATCCAGGCATTCATTGACAAAT	2040
Qy	2041	TATTGAGTACTTATATCTGCCAGACACAGAGACAAAATGGTGAGCAAAAGCTCACTGC	2100

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QY 4440 ACTTTGAAATTAGACCTCTCTGCTGGATCTGTTTTPAACATATTAATAAAAAATGTTTAA 4499
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QY 4920 GTCAATGGAATATAAATAAGAAATATATCTTTGTTGAATCAGCACACAGTAGTCTG 4979
DB 4920 GTCAATGGAATATAAATAAGAAATATATCTTTGTTGAATCAGCACACAGTAGTCTG 4979
QY 4980 GTGTAAGTGTGTGACGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 5039
DB 4980 GTGTAAGTGTGTGACGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 5039
QY 5040 ATAGGAACATAATTGCGGTATGCGGTGCATAAATTTGGATGTTCTTTTAAAGAACT 5099
DB 5040 ATAGGAACATAATTGCGGTATGCGGTGCATAAATTTGGATGTTCTTTTAAAGAACT 5099
QY 5100 CCAACAGACTCTCGGAAGTTATTTTCTAAGAACTTCTGTCGAGCGTGAAGCAACCC 5159
DB 5100 CCAACAGACTCTCGGAAGTTATTTTCTAAGAACTTCTGTCGAGCGTGAAGCAACCC 5159
QY 5160 CCTGTGTGCACAGCCCCACCGAGCTCACTGTTGTCCTGTTCTTCCCTCATGAGGGCT 5219
DB 5160 CCTGTGTGCACAGCCCCACCGAGCTCACTGTTGTCCTGTTCTTCCCTCATGAGGGCT 5219
QY 5220 GGCTCCCCAGTATATATAAACCTCTCTGGAGCTCGGCGATGAGCCAGCAGG 5271
DB 5220 GGCTCCCCAGTATATATAAACCTCTCTGGAGCTCGGCGATGAGCCAGCAGG 5271
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RESULT 11

US-10-087-192-1228

; Sequence 1228, Application US/10087192

; GENERAL INFORMATION:

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; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: 529452000122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR FILING DATE: 2000-12-22
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1228
; LENGTH: 37252
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-087-192-1228
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Query Match 99.3%; Score 5232.4; DB 40; Length 37252;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 5267; Conservative 0; Mismatches 1; Indels 4; Gaps 3;
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QY 1 ATCTTTGTTCAAGTTTACCTCAGGGCTATTATGAATGAAATGAGATAACCAATGTGAAAG 60
DB 4731 ATCTTTGTTCAAGTTTACCTCAGGGCTATTATGAATGAAATGAGATAACCAATGTGAAAG 4790
QY 61 TCCTATAAATCTGTATAGCTCCATTCGGATGTATGCTTTTGGCAGGATGATAAGAAATCA 120
DB 4791 TCCTATAAATCTGTATAGCTCCATTCGGATGTATGCTTTTGGCAGGATGATAAGAAATCA 4850
QY 121 GGAAGAAGAGATATCCAGTTAGCCAGTGTCCAGGCTGTGTCTCTCTTATTTTAGTGA 180
DB 4851 GGAAGAAGAGATATCCAGTTAGCCAGTGTCCAGGCTGTGTCTCTCTTATTTTAGTGA 4910
QY 181 CAGATGTTGCTCTCAGCAGAGAGCTATTCTTCAGGAAACATCATCATTCATATGTTAAATC 240
DB 4911 CAGATGTTGCTCTCAGCAGAGAGCTATTCTTCAGGAAACATCATCATTCATATGTTAAATC 4970
QY 241 CATCAAAACAGGAGCTAAAGAAACAGGAATGAGATGGGCACTTCCCAAGAAAAATGCCAG 300
DB 4971 CATCAAAACAGGAGCTAAAGAAACAGGAATGAGATGGGCACTTCCCAAGAAAAATGCCAG 5030
QY 301 GAGACAAATAATGATGAAAAATAAACTTTTCCCTTTGTTTAAATTTTTCAGGAAAAAATG 360
DB 5031 GAGACAAATAATGATGAAAAATAAACTTTTCCCTTTGTTTAAATTTTTCAGGAAAAAATG 5090
QY 361 ATGAGGACCAAAATCAATGAATAAGAAAAACAGCTCAGAAAAAAGATGTTTCCAAATTTGG 420
DB 5091 ATGAGGACCAAAATCAATGAATAAGAAAAACAGCTCAGAAAAAAGATGTTTCCAAATTTGG 5150
QY 421 TAATTAAGTATTTGTTTCTTGGGAAAGAGACCTCCATGTGAGCTTGTATGGGAAAAATGGGAA 480
DB 5151 TAATTAAGTATTTGTTTCTTGGGAAAGAGACCTCCATGTGAGCTTGTATGGGAAAAATGGGAA 5210
QY 481 AAACGTGCAAAAGCATGATCTGATCAGATCCCAAGTGGATTTATTTTAAACCCAGAT 540
DB 5211 AAACGTGCAAAAGCATGATCTGATCAGATCCCAAGTGGATTTATTTTAAACCCAGAT 5270
QY 541 GGCATCCTCTGGGAGGCAAGTTCCAGGAAGTCTATGTTAGCAAAAGGACATTAACATAAC 600
DB 5271 GGCATCCTCTGGGAGGCAAGTTCCAGGAAGTCTATGTTAGCAAAAGGACATTAACATAAC 5330
QY 601 AGCAAAATCAAAATTTCCGCAAAATGCAGGAGGAAAAATGGGAGCTGGGAAAAAGCTTTTCAAC 660
DB 5331 AGCAAAATCAAAATTTCCGCAAAATGCAGGAGGAAAAATGGGAGCTGGGAAAAAGCTTTTCAAC 5390
QY 661 AGTGATTAGGCAAGTTGAACATGTTTCGCAACACTCCCGCTCTATACCAGGGAACACAAAA 720
DB 5391 AGTGATTAGGCAAGTTGAACATGTTTCGCAACACTCCCGCTCTATACCAGGGAACACAAAA 5450
QY 721 ATTGACTGGGCTAAGCCTGGACTTTTCAAGGGAAATATGAAAAACTTGAGAGCAAAACAAAA 780
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Db	5451	ATTGACTGGGCTAAGCCCTGGACTTTCAAGGGAATATGAAGAACTGAGAGCAAAACAAA	5510	TTCCATTTGGGGCCATCTGTGTGTGTATAGGGAGGAGGAGCATACCCAGAGACTCCT	6590
Qy	781	GACATGGTTAAAGGCAACGAGAAATTTGTGAGCCCTTCAAGAGCAGAGTGCCCTCAGCA	840	TGAAGCCCCCGGAGAGAGTTTCTCTCAGCTGGGGAGCCCTCGAAGCAACCCGGGTTCC	1920
Db	5511	GACATGGTTAAAGGCAACGAGAAATTTGTGAGCCCTTCAAGAGCAGAGTGCCCTCAGCA	5570	TGAAGCCCCCGGAGAGAGTTTCTCTCAGCTGGGGAGGAGCCCTCGAAGCAACCCGGGTTCC	6650
Qy	841	GGGACCCCTGAGGCAATTTGCGCTTTAGGAAGGCGAGTTTCTTAAGGAATCTTAAGAACTC	900	TGGGTGTCTGTAGCAACCTGCCAGCCCTGCGACTGGTGTGTTTGTATCACTCTCTAGG	1980
Db	5571	GGGACCCCTGAGGCAATTTGCGCTTTAGGAAGGCGAGTTTCTTAAGGAATCTTAAGAACTC	5630	TGGGTGTCTGTAGCAACCTGCCAGCCCTGCGACTGGTGTGTTTGTATCACTCTCTAGG	6710
Qy	901	TTGAAGATCATGAATTTTAAACCAATTTTAAAGTATAAAACAAATATGCGATGCAATCAG	960	GACCTGTGTCTTCTATTTCTGTGTGACTCGTTTCATTCACAGGCAATTCATTGACAAAT	2040
Db	5631	TTGAAGATCATGAATTTTAAACCAATTTTAAAGTATAAAACAAATATGCGATGCAATCAG	5690	GACCTGTGTCTTCTATTTCTGTGTGACTCGTTTCATTCACAGGCAATTCATTGACAAAT	6770
Qy	961	TTTAGACATGGTCCCAATTTTAAAGTATGAGGCAATGAGGATGAGGATGAGGATGAGG	1020	TATTTAGTACTTATATCTGCAGACACAGAGACAAATGGTGAAGCAAGAGTCACTGC	2100
Db	5691	TTTAGACATGGTCCCAATTTTAAAGTATGAGGCAATGAGGATGAGGATGAGGATGAGG	5750	TATTTAGTACTTATATCTGCAGACACAGAGACAAATGGTGAAGCAAGAGTCACTGC	6830
Qy	1021	GGATAGGTGAGAAATCATTAAGAAATCACTGTGTCCCATCTCTAACTTTTTCAGAAATGATC	1080	CCTACCTTTCTGTGAGGTGACAGTTTCTCATGGAAGAGCTGCAGAAAGAAATTAATAGCCA	2160
Db	5751	GGATAGGTGAGAAATCATTAAGAAATCACTGTGTCCCATCTCTAACTTTTTCAGAAATGATC	5810	CCTACCTTTCTGTGAGGTGACAGTTTCTCATGGAAGAGCTGCAGAAAGAAATTAATAGCCA	6890
Qy	1081	TGTATAGCCCTCACACAGGCGCGATGTGTCTGACCTACACCAATCTACACCCAA	1140	GCCAACTTAAACCCAGTGTGAAAGAAAGAAATAAACACCATCTTGAAGAAATTTGTGCGC	2220
Db	5811	TGTATAGCCCTCACACAGGCGCGATGTGTCTGACCTACACCAATCTACACCCAA	5870	GCCAACTTAAACCCAGTGTGAAAGAAAGAAATAAACACCATCTTGAAGAAATTTGTGCGC	6950
Qy	1141	GTGCTCAACCAATTTTAAAGTATGAGGCAATGAGGATGAGGATGAGGATGAGGATGAGG	1200	AGCATCCCTTAAACAGGCACTCTCTCAGGCGCCCTCTGCTCCTCATCTGTCGCCGAGG	2280
Db	5871	GTGCTCAACCAATTTTAAAGTATGAGGCAATGAGGATGAGGATGAGGATGAGGATGAGG	5930	AGCATCCCTTAAACAGGCACTCTCTCAGGCGCCCTCTGCTCCTCATCTGTCGCCGAGG	7010
Qy	1201	TGTGAGCCCATCCGCTCCACAGGAGTCTCCCATCTAGACTTCTGATCAGGATG	1260	CCCCAAGCCCGAGTCTTCCAGGCTCTCTCCTCATCAGTCAAGGCTCAGCTGCCT	2340
Db	5931	TGTGAGCCCATCCGCTCCACAGGAGTCTCCCATCTAGACTTCTGATCAGGATG	5990	CCCCAAGCCCGAGTCTTCCAGGCTCTCTCCTCATCAGTCAAGGCTCAGCTGCCT	7070
Qy	1261	TACAGCCAGAGTCTCCGCTGAGGCTGTGTCTTACCACTACCTGATGCTCTAC	1320	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	2400
Db	5991	TACAGCCAGAGTCTCCGCTGAGGCTGTGTCTTACCACTACCTGATGCTCTAC	6050	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	7130
Qy	1321	ACCTGAGTCACTGCAACCTTGCTCCGAGGTTCAAGCAATTTCTGCTCAGGCTCC	1380	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	2480
Db	6051	ACCTGAGTCACTGCAACCTTGCTCCGAGGTTCAAGCAATTTCTGCTCAGGCTCC	6110	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	2560
Qy	1381	CGCTGAGTGGGACTACAGGCGCACGCGGCTAAATTTTGTATTTGTAGTGAAGTGG	1440	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	2640
Db	6111	CGCTGAGTGGGACTACAGGCGCACGCGGCTAAATTTTGTATTTGTAGTGAAGTGG	6170	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	2720
Qy	1441	GTTCACCAATATTAGCCCGGCTGTCTTGAACCTCTGACCTCAGGATGATCCACCACTC	1500	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	2800
Db	6171	GTTCACCAATATTAGCCCGGCTGTCTTGAACCTCTGACCTCAGGATGATCCACCACTC	6230	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	2880
Qy	1501	AGCTCTTAAGTCTGGATTAAGGATGAGTCAAGGCTGAGGATGAGGATGAGGATGAGG	1560	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	2960
Db	6231	AGCTCTTAAGTCTGGATTAAGGATGAGTCAAGGCTGAGGATGAGGATGAGGATGAGG	6290	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	3040
Qy	1561	TTAATAAGGAATTAAGTGAATGTTTAAACCAACAGGGAACACACAAAGGCTGGA	1620	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	3120
Db	6291	TTAATAAGGAATTAAGTGAATGTTTAAACCAACAGGGAACACACAAAGGCTGGA	6350	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	3200
Qy	1621	TAAATTCAGGATTTCTTGGATGGGAATGGTGCATGAGTCTGCTGCTAGTCCCGAC	1680	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	3280
Db	6351	TAAATTCAGGATTTCTTGGATGGGAATGGTGCATGAGTCTGCTGCTAGTCCCGAC	6410	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	3360
Qy	1681	CAGTGTCTCATCATCTTCTCCCTCATCTCTCATTTTCAAGGCTAAGTATCAATTTAT	1740	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	3440
Db	6411	CAGTGTCTCATCATCTTCTCCCTCATCTCTCATTTTCAAGGCTAAGTATCAATTTAT	6470	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	3520
Qy	1741	CACATGCTTTTGTGTAAGCTTCCATCATGTTTACTGAAATTAAGATATCAATAACTAG	1800	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	3600
Db	6471	CACATGCTTTTGTGTAAGCTTCCATCATGTTTACTGAAATTAAGATATCAATAACTAG	6530	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	3680
Qy	1801	TTCCATTTGGGGCCATCTGTGTGTGTATAGGGAGGAGGAGCATACCCAGAGACTCCT	1860	GCCTCGCTTCCCGTGAATCGTCTCTGATCTGAGTCTGAGTCTGAGTCTGAGTCTGAGT	3760

Db	1261	 TAAGCCAGAAAGCTCCGCTGAGGGGTGAGGGGTCTGTGCTTACACTACTCTGTATGCTCTTAC	1320
Qy	1321	ACCTGAGCTCACTGCAACCTCTGCTCCAGGTTCAAGCAATTTCTCTGCTCTCAGGCTCC	1380
Db	1321	ACCTGAGCTCACTGCAACCTCTGCTCCAGGTTCAAGCAATTTCTCTGCTCTCAGGCTCC	1380
Qy	1381	CGCTAGCTGGGACTACAGCGCACGCGCCGGCTAAATTTTGTATTTGTAGTAGAGATGGG	1440
Db	1381	CGCTAGCTGGGACTACAGCGCACGCGCCGGCTAAATTTTGTATTTGTAGTAGAGATGGG	1440
Qy	1441	GTTTCAACATATTAGCCCGGCTGCTTTGAACTCTCTGACCTCAGGTGATCCACCACCTC	1500
Db	1441	GTTTCAACATATTAGCCCGGCTGCTTTGAACTCTCTGACCTCAGGTGATCCACCACCTC	1500
Qy	1501	AGCCTCTTAAGTGCTGGGATTAAGGATGAGTCAACCGCGCCGGCCAGGGTCAAGTGT	1560
Db	1501	AGCCTCTTAAGTGCTGGGATTAAGGATGAGTCAACCGCGCCGGCCAGGGTCAAGTGT	1560
Qy	1561	TTAATAAGGAATAACTTGAATGGTTTACTAAACCAACAGGGAACAGACAAAAGCTGTGA	1620
Db	1561	TTAATAAGGAATAACTTGAATGGTTTACTAAACCAACAGGGAACAGACAAAAGCTGTGA	1620
Qy	1621	TAATTTCAAGGATTTCTTTGGGATGGGAAATGGTGCATGAGCTGCTGCTAGTCCAGAC	1680
Db	1621	TAATTTCAAGGATTTCTTTGGGATGGGAAATGGTGCATGAGCTGCTGCTAGTCCAGAC	1680
Qy	1681	CACGTGTCCTCATCACTTTCTTCCTCATCTCTCATTTTCAAGGTAAAGTACCAATTTATT	1740
Db	1681	CACGTGTCCTCATCACTTTCTTCCTCATCTCTCATTTTCAAGGTAAAGTACCAATTTATT	1740
Qy	1741	CACCATGCTTTTGTGTAAGCCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAG	1800
Db	1741	CACCATGCTTTTGTGTAAGCCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAG	1800
Qy	1801	TTCCATTTGGGGCCATCTGTGTGTGTATAGGGGAGGAGGCATACCCAGAGACTCTCT	1860
Db	1801	TTCCATTTGGGGCCATCTGTGTGTGTATAGGGGAGGAGGCATACCCAGAGACTCTCT	1860
Qy	1861	TGAAGCCCCGGCAGAGGTTTCCTCCAGCTGGGGAGCCCTGCAAGCACCCCGGGTCC	1920
Db	1861	TGAAGCCCCGGCAGAGGTTTCCTCCAGCTGGGGAGCCCTGCAAGCACCCCGGGTCC	1920
Qy	1921	TGGGTGTCTGAGCAACCTGCCAGCCCGTGCACATGTTGTTTGTATTCACTCTCTAGG	1980
Db	1921	TGGGTGTCTGAGCAACCTGCCAGCCCGTGCACATGTTGTTTGTATTCACTCTCTAGG	1980
Qy	1981	GACCTGTTGCTTTCTATTCTGTGTGACTCGTTCAATTCATCCAGGCATTCATTGACAAATT	2040
Db	1981	GACCTGTTGCTTTCTATTCTGTGTGACTCGTTCAATTCATCCAGGCATTCATTGACAAATT	2040
Qy	2041	TATTTAGTACTTATATCTGCCAGACACAGAGACAAAATGGTGGAGAAAGCAGTCACTGC	2100
Db	2041	TATTTAGTACTTATATCTGCCAGACACAGAGACAAAATGGTGGAGAAAGCAGTCACTGC	2100
Qy	2101	CCTACCTTCGTGGAGGTGACAGTTTCTCATGGAAGAGCTGCAGAAAGAAAATTAATAGCCA	2160
Db	2101	CCTACCTTCGTGGAGGTGACAGTTTCTCATGGAAGAGCTGCAGAAAGAAAATTAATAGCCA	2160
Qy	2161	GCCAACTTAAACCCAGTGTGAAAGAAAGGAAATAAACACCATCTTGAAGAAATGTGCGC	2220
Db	2161	GCCAACTTAAACCCAGTGTGAAAGAAAGGAAATAAACACCATCTTGAAGAAATGTGCGC	2220
Qy	2221	AGCATCCCTTAAAGGCGCACTCCCTAGCGCCCTGCTGCTCCATCTGTGCCCGGAGG	2280
Db	2221	AGCATCCCTTAAAGGCGCACTCCCTAGCGCCCTGCTGCTCCATCTGTGCCCGGAGG	2280
Qy	2281	CCCCAAAGCCGAGTCTTCCAAGCTCTCTCTCCATCAGTCAACAGCGCTGCAGCTGCGCT	2340
Db	2281	CCCCAAAGCCGAGTCTTCCAAGCTCTCTCTCCATCAGTCAACAGCGCTGCAGCTGCGCT	2340
Qy	2341	GCCTCGCTTCCCGTGAATCGTCTGCTGGTGCACTCGAGCTGGAGACTCTCTGGCTCCAGGCT	2400

Db	2341	GCCTCGCTCCCGTGAATCGTCTCGTGTGCATCTGAGCTGGAGACTCCTTGGCTCCAGGCT	2400
Qy	2401	CCAGAAAGGAAATCGAGAGGGAAACTAGTCTAAACGGAGAAATCTGGAGGGGACAGTGTTC	2460
Db	2401	CCAGAAAGGAAATCGAGAGGGAAACTAGTCTAAACGGAGAAATCTGGAGGGGACAGTGTTC	2460
Qy	2461	CTCAGAGGAAAGGGGCTCCACGTCACGAGAGAAATTCACGAGGTGGGACATGCAGGGAG	2520
Db	2461	CTCAGAGGAAAGGGGCTCCACGTCACGAGAGAAATTCACGAGGTGGGACATGCAGGGAG	2520
Qy	2521	TGGGGACGCTGGGGCTGAGCGGTGCTGAAAGGCAGAAAGGTGAAAGGGCAAGGCTGAA	2580
Db	2521	TGGGGACGCTGGGGCTGAGCGGTGCTGAAAGGCAGAAAGGTGAAAGGGCAAGGCTGAA	2580
Qy	2581	GCTGCCACAGATGTTCAAGTGTGTTTCAACGGGGCTGGAGATTTTCCGTGTCTCTGTGAGC	2640
Db	2581	GCTGCCACAGATGTTCAAGTGTGTTTCAACGGGGCTGGAGATTTTCCGTGTCTCTGTGAGC	2640
Qy	2641	CTTTTATCTTTTCTCTGCTTGAGAGAGAAAGTCTATTTTCAATGAAGGGATGCAGTTTC	2700
Db	2641	CTTTTATCTTTTCTCTGCTTGAGAGAGAAAGTCTATTTTCAATGAAGGGATGCAGTTTC	2700
Qy	2701	ATAAGTCAGCTGTATAAATTCACAGGTGTGCATGGTTTTTCCCTTACCAAGGCCCTTTAT	2760
Db	2701	ATAAGTCAGCTGTATAAATTCACAGGTGTGCATGGTTTTTCCCTTACCAAGGCCCTTTAT	2760
Qy	2761	TTAATGGGAATATAGGAAGCGAGCTCATTTCTTAGCCGTTAAATTCACGGAAGAGTGAC	2820
Db	2761	TTAATGGGAATATAGGAAGCGAGCTCATTTCTTAGCCGTTAAATTCACGGAAGAGTGAC	2820
Qy	2821	TGAGTCTTTTCTTCAATGTCCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTA	2880
Db	2821	TGAGTCTTTTCTTCAATGTCCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTA	2880
Qy	2881	TGCAAGACGCTCGAAGAACCTTGGAACTCAGAGACTCGTTTTCTTTCTGGTCTGCCATT	2940
Db	2881	TGCAAGACGCTCGAAGAACCTTGGAACTCAGAGACTCGTTTTCTTTCTGGTCTGCCATT	2940
Qy	2941	GGTTGGCTGTGCACCGTGGGCAAGTGTCTCTCTTCCCTGGGCCATAGTCTTCTCTGCT	3000
Db	2941	GGTTGGCTGTGCACCGTGGGCAAGTGTCTCTCTTCCCTGGGCCATAGTCTTCTCTGCT	3000
Qy	3001	ATAAGACCTTTCAGCTCTCGTGTCTGTGAAACATTTCCCTGTGTGATTTCTCTGTGAGGG	3060
Db	3001	ATAAGACCTTTCAGCTCTCGTGTCTGTGAAACATTTCCCTGTGTGATTTCTCTGTGAGGG	3060
Qy	3061	GGATGTTGACGGGAGGAGGCAGAGCTGAGCAGCTGAGCCACACAGGGGAGGTGAGGG	3120
Db	3061	GGATGTTGACGGGAGGAGGCAGAGCTGAGCAGCTGAGCCACACAGGGGAGGTGAGGG	3120
Qy	3121	GGACAGGAAGGCAGCAGAGCTGGGTGCTTCCATCAGTCTCTCACTGATCACGTGAGATC	3180
Db	3121	GGACAGGAAGGCAGCAGAGCTGGGTGCTTCCATCAGTCTCTCACTGATCACGTGAGATC	3180
Qy	3181	CAGAACCGAGGCCAATGCTTTCAGAAAGCTCAATGAAACCAACAGCCACATTTTCTCT	3240
Db	3181	CAGAACCGAGGCCAATGCTTTCAGAAAGCTCAATGAAACCAACAGCCACATTTTCTCT	3240
Qy	3241	TCCCTAGCATAGCAATGCAATTCGCCAATACCAAAAGAAATGCAGAGCTAACTGGT	3300
Db	3241	TCCCTAAGCATAGCAATGCAATTCGCCAATACCAAAAGAAATGCAGAGCTAACTGGT	3300
Qy	3301	GGTAGCTTTTTCCTGGCATTTCAAAAACCTGGGCCAGAGCAAGTGGAAAAATGCCAGAGATTG	3360
Db	3301	GGTAGCTTTTTCCTGGCATTTCAAAAACCTGGGCCAGAGCAAGTGGAAAAATGCCAGAGATTG	3360
Qy	3361	TTAACTTTTTCACCTTGACCCGACAGTCTGAGTGAATGCTGAGCAAGCAGCAGG	3420
Db	3361	TTAACTTTTTCACCTTGACCCGACAGTCTGAGTGAATGCTGAGCAAGCAGCAGG	3420
Qy	3421	AGTGACCTTGACCGCAGGGGAGGAGAAAGAGAGGGATAGTGTATGAGCAAGAAAG	3480
Db	3421	AGTGACCTTGACCGCAGGGGAGGAGAAAGAGAGGGGATAGTGTATGAGCAAGAAAG	3480

QY	1	ATCTTTGTTTACCTCAGGCTTATATGAAATGAAATGAGATAACCAATGTGAAG	60
DB	1	ATCTTTGTTTACCTCAGGCTTATATGAAATGAAATGAGATAACCAATGTGAAG	60
QY	61	TCCTATAACTGATAGCTCCATTCGGATGATATGCTTTGGCAGAGATGATAAGATCA	120
DB	61	TCCTATAACTGATAGCTCCATTCGGATGATATGCTTTGGCAGAGATGATAAGATCA	120
QY	121	GGAGAGAGATGATCAGCTTACCAAGTGTCCAGGCTGTGCTCTTATTTAGTGA	180
DB	121	GGAGAGAGATGATCAGCTTACCAAGTGTCCAGGCTGTGCTCTTATTTAGTGA	180
QY	181	CAGATGTGTCTCTGACAGAGCTATTCTTCAGGAAACATCAATCAATATGTTAAATC	240
DB	181	CAGATGTGTCTCTGACAGAGCTATTCTTCAGGAAACATCAATCAATATGTTAAATC	240
QY	241	CATCAACAGGAGCTAAGAAACAGGATGAGATGGGCACTTCCCAAGGAAATGCCAG	300
DB	241	CATCAACAGGAGCTAAGAAACAGGATGAGATGGGCACTTCCCAAGGAAATGCCAG	300
QY	301	GAGAGCAAAATAATGATGAAATAAATCTTTTCCCTTTGTTTAAATTCAGGAAAAATG	360
DB	301	GAGAGCAAAATAATGATGAAATAAATCTTTTCCCTTTGTTTAAATTCAGGAAAAATG	360
QY	361	ATGAGGACCAAAATCAATGATGAAATAAATCAGCTCAGAAAAAGATGTTTCCAAATGG	420
DB	361	ATGAGGACCAAAATCAATGATGAAATAAATCAGCTCAGAAAAAGATGTTTCCAAATGG	420
QY	421	TAATTAAGTATTTGTTCTTGGGAGAGACTCCATGTGAGCTTGATGGGAAATGGGA	480
DB	421	TAATTAAGTATTTGTTCTTGGGAGAGACTCCATGTGAGCTTGATGGGAAATGGGA	480
QY	481	AAACGTCAAAAGCATGATCTGATCAGATCCCAAGTGGATATATTTTAAACACCAT	540
DB	481	AAACGTCAAAAGCATGATCTGATCAGATCCCAAGTGGATATATTTTAAACACCAT	540
QY	541	GGCATCACTCTGGGGAGGCAAGTTTCAAGAAAGTCAATGATGAGAAAGCAATCAATAC	600
DB	541	GGCATCACTCTGGGGAGGCAAGTTTCAAGAAAGTCAATGATGAGAAAGCAATCAATAC	600
QY	601	AGCAAAATCAAAATTCGGCAATGACAGGAAATGGGACCTGGGAAAGCTTTTCAATAC	660
DB	601	AGCAAAATCAAAATTCGGCAATGACAGGAAATGGGACCTGGGAAAGCTTTTCAATAC	660
QY	661	AGTGAATAGGAGTGGACATGTTTGGCAACCTCCCGCTCTATACAGGAGAAACAAAA	720
DB	661	AGTGAATAGGAGTGGACATGTTTGGCAACCTCCCGCTCTATACAGGAGAAACAAAA	720
QY	721	ATTGACTGGCTAAGCTGAGCTTTCAAGGAAATATGAAAACTGAGAGCAAAACAAAA	780
DB	721	ATTGACTGGCTAAGCTGAGCTTTCAAGGAAATATGAAAACTGAGAGCAAAACAAAA	780
QY	781	GACATGTTAAAGGCAACAGACATTTGAGCCTTCAAGCAGCAGATGCCCTCAGCA	840
DB	781	GACATGTTAAAGGCAACAGACATTTGAGCCTTCAAGCAGCAGATGCCCTCAGCA	840
QY	841	GGGACCTGAGGCAATTTGCTTTAGGAGGCGAGTTTCTTAAGGAATCTTAAGAAATC	900
DB	841	GGGACCTGAGGCAATTTGCTTTAGGAGGCGAGTTTCTTAAGGAATCTTAAGAAATC	900
QY	901	TTGAAAGATCATGAATTTTAAACATTTTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGT	960
DB	901	TTGAAAGATCATGAATTTTAAACATTTTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGT	960
QY	961	TTTAGACATGGGCTCCCAATTTTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGT	1020
DB	961	TTTAGACATGGGCTCCCAATTTTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGT	1020
QY	1021	GGATAGTCAAGAAATCATGAGAAATCATGTTGTTCCCATCTTAATCTTTTTCAGATGATC	1080
DB	1021	GGATAGTCAAGAAATCATGAGAAATCATGTTGTTCCCATCTTAATCTTTTTCAGATGATC	1080
QY	1081	TGTCATAGCCCTCACACAGGCCCGATGTGTCTGACCTACACCAATCTTACACCCAA	1140
DB	1081	TGTCATAGCCCTCACACAGGCCCGATGTGTCTGACCTACACCAATCTTACACCCAA	1140
QY	1141	GTGCTCTCAACCAATGTTAAACGTGTCTCTCAGTAGGTCCCATTTACAAATGCCACCTCCC	1200
DB	1141	GTGCTCTCAACCAATGTTAAACGTGTCTCTCAGTAGGTCCCATTTACAAATGCCACCTCCC	1200
QY	1201	TGTGAGGCCATTCGCGCTCCACAGGAAGTCTCCCACTCTAGACTTTCTGCATCAGATGT	1260
DB	1201	TGTGAGGCCATTCGCGCTCCACAGGAAGTCTCCCACTCTAGACTTTCTGCATCAGATGT	1260
QY	1261	TACAGCAGAGAGCTCCGTCAGGCTGAGGTCTGTCTTACACCTACCTGTATGCTCTAC	1320
DB	1261	TACAGCAGAGAGCTCCGTCAGGCTGAGGTCTGTCTTACACCTACCTGTATGCTCTAC	1320
QY	1321	ACCTGAGCTCACTGCAACCTCTGCTCCAGGTTCAGGCAATTTCTCTCTCAGCCTCC	1380
DB	1321	ACCTGAGCTCACTGCAACCTCTGCTCCAGGTTCAGGCAATTTCTCTCTCAGCCTCC	1380
QY	1381	CGCGTAGCTGGGACTACAGGCGCACGCCGCTTAATTTTGTATTTAGTAGAGATGG	1440
DB	1381	CGCGTAGCTGGGACTACAGGCGCACGCCGCTTAATTTTGTATTTAGTAGAGATGG	1440
QY	1441	GTTTCCACCATATTTAGCCGCTGTCTTGAACCTCTGACCTCAGGTGATCCACCCACCTC	1500
DB	1441	GTTTCCACCATATTTAGCCGCTGTCTTGAACCTCTGACCTCAGGTGATCCACCCACCTC	1500
QY	1501	AGCCTCTTAAAGTGTGGATTTACAGGCAATGAGTCAACCGCCCGCCCAAGGTCTAGTGT	1560
DB	1501	AGCCTCTTAAAGTGTGGATTTACAGGCAATGAGTCAACCGCCCGCCCAAGGTCTAGTGT	1560
QY	1561	TTAATAAGAAATTAATTTGAATGTTTAAACCAACAGGGAACAGACAAAGCTGTGA	1620
DB	1561	TTAATAAGAAATTAATTTGAATGTTTAAACCAACAGGGAACAGACAAAGCTGTGA	1620
QY	1621	TAATTTTCAAGGATTTCTTGGGATGGGAATGGTCCATGAGTCCCTGCTAGTCCAGAC	1680
DB	1621	TAATTTTCAAGGATTTCTTGGGATGGGAATGGTCCATGAGTCCCTGCTAGTCCAGAC	1680
QY	1681	CACTGTCTCTCATCTCTTCTTCCCTCATCTCTTCCCTCATCTCTTCCCTCATCTCTT	1740
DB	1681	CACTGTCTCTCATCTCTTCTTCCCTCATCTCTTCCCTCATCTCTTCCCTCATCTCTT	1740
QY	1741	CACCATGCTTTTGTGTGTAAGCTTCCACATCTGTTACTGAAATAGAGTATACATAAATAG	1800
DB	1741	CACCATGCTTTTGTGTGTAAGCTTCCACATCTGTTACTGAAATAGAGTATACATAAATAG	1800
QY	1801	TTCCATTTTGGGCACTCTGTGTGTGTATAGGGAGAGGGGATACCCCGAGAGACTCCT	1860
DB	1801	TTCCATTTTGGGCACTCTGTGTGTGTATAGGGAGAGGGGATACCCCGAGAGACTCCT	1860
QY	1861	TGAAGCCCGCGCAGAGGTTTCTCTTCCAGCTGGGGAGCCCTGCAAGCAACCCGGGTCC	1920
DB	1861	TGAAGCCCGCGCAGAGGTTTCTCTTCCAGCTGGGGAGCCCTGCAAGCAACCCGGGTCC	1920
QY	1921	TGGGTGCTCTGAGCAACCTGCGAGCCGCTGCGCTGCTGTTTGTATCTACTCTCTAGG	1980
DB	1921	TGGGTGCTCTGAGCAACCTGCGAGCCGCTGCGCTGCTGTTTGTATCTACTCTCTAGG	1980
QY	1981	GACCTGTCTTCTTCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	2040
DB	1981	GACCTGTCTTCTTCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	2040
QY	2041	TATTTAGTACTTATATCTGCCAGACACAGAGCAAAATGGTGGAGCAAGCACTGTC	2100
DB	2041	TATTTAGTACTTATATCTGCCAGACACAGAGCAAAATGGTGGAGCAAGCACTGTC	2100
QY	2101	CCTACCTTCTGAGAGTGAAGTTTCTCATGGAAGCTGCGAGCAAAATTAATAGCCA	2160
DB	2101	CCTACCTTCTGAGAGTGAAGTTTCTCATGGAAGCTGCGAGCAAAATTAATAGCCA	2160
QY	2161	GCCAACTTAAACCCAGTGTGAGAAAGGAAATAAACCATCTTCTTGAAGAAATTTGTGCGC	2220

Db 2161 GCCAACTTAAACCCAGTCTGAAAGAAAGGAATATAACACATCTTGAGAAATCTGCGC 2220
Qy 2221 AGCATCCCTTAAACAGGACACCTCCCTAGCGCCCCCTGCTGCTCCATCTGCTGCCGAGG 2280
Db 2221 AGCATCCCTTAAACAGGACACCTCCCTAGCGCCCCCTGCTGCTCCATCTGCTGCCGAGG 2280
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Db 3121 GGACAGAGGCGCAGAGCTGGGTGCTCCATCAGTCTCTCATGATCAGCTCAGACTC 3180
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Db 3301 GGTAGCTTTTCCCTGGCAATTCAAAACTGGGCCAGAGCAAGTGGAAAAATGCCAGAGATTG 3360
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Db 3361 TTAACCTTTTCCACCTGACACGACCCACACGAGCTCAGCAGTGAATCTCTGACACAGG 3420
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Db 3960 AAGAAATAGAACTTTTGAAGCAAACTGTGTTTCTCCAC- TCTGGAGGTGAGTCTGCCAGG 4019
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Qy 4080 TTCTCAAGGCAATCATTTTCAAGTGGCTTAAAGTACTTCTGACAGTGTGTTGTTGTTGTTG 4139
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 Db 1861 TGAAGCCCGGGAGAGGTTTCTCTCCAGCTGGGGAGCCCTGCAAGCACCCGGGGTCC 1920
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 Db 1921 TGGGTCTCTGAGCAACCTGCCAGCCGTCGCCACTGGTTTGTATTATCACTCTCTAGG 1980
 QY 1981 GACCTGTGCTTTCTATTCTGTGTGATCTGCTTCATTCATCCAGGCAATTCATTGACAAT 2040
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Db	3781	TAAAGCCAAACAGATTCAAGCCTAGGCTCTGCTGACATATAGATTGGTTTTTTCGAAAAAT	3840
Qy	3841	CATTTCAGCGATGTTTACTATCTGATTCAGAAAAATGACACTAGTACCCCTTTGGTCAGCTG	3900
Db	3841	CATTTCAGCGATGTTTACTATCTGATTCAGAAAAATGACACTAGTACCCCTTTGGTCAGCTG	3900
Qy	3901	TAAACAACACCCAGTGTGTAATCTCAAGTTCAGGCTTAACCTGCAGAACCAATCAAAA	3960
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Qy	3961	AGAAATAGAAATCTTTAGAGCAAACTGTGTTCTCCACATCTCGAGGTGAGTCTGCAGGGC	4020
Db	3961	AGAAATAGAAATCTTTAGAGCAAACTGTGTTCTCCACATCTCGAGGTGAGTCTGCAGGGC	4020
Qy	4021	AGTTTGGAATATTACTTCAACAGTATTGACACTGTGTTGGTATTAAACAATAAAGT	4080
Db	4021	AGTTTGGAATATTACTTCAACAGTATTGACACTGTGTTGGTATTAAACAATAAAGT	4080
Qy	4081	TGCTCAAAAGGCAATCATTATTTCGAAGTGGCTTAAAGTTACTTCTGACAGATTTTGGTATAT	4140
Db	4081	TGCTCAAAAGGCAATCATTATTTCGAAGTGGCTTAAAGTTACTTCTGACAGATTTTGGTATAT	4140
Qy	4141	TTATTGGCTATTGCCATTGCTTTTTGTTTTTCTCTTTGGTTTTTATTAAATGAAGCAG	4200

Search completed: January 26, 2006, 09:13:42
Job time : 17364 secs

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DB	CAATTT	CAGCGATGTTTACTATCTGATTCAGAAAAATGAGACTAGTACCCCTTTGGTCAGCTG	3900	
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QY	AGAAATAGAAATCTTT	TAGACCAACTGTGTTTCTCCACATCTGGAGGTGAGTCTGCCAGGGC	4020	
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QY	AGTTTGGAAATATTT	TACTTCAACAGTATTTGACACTGTTGTTGGTATTTAAACAAATAAAGT	4080	
DB	AGTTTGGAAATATTT	TACTTCAACAGTATTTGACACTGTTGTTGGTATTTAAACAAATAAAGT	4080	
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DB	TGCTCAAAAGGCAATCATTT	TTCAAAGTGGCTTAAAGTTACTCTTCGACAGTTTTTGGTATAT	4140	
QY	TTATTTGGCTATTTG	CCATTTGCTTTTTTCTTCTTGGTATTTAATGTTAAAGCAG	4200	
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QY	GGATTTAATTAACCTACAGTCC	AGAAAGCCTGTGAATTTGAATGAGGAAAAAATTACATTTT	4260	
DB	GGATTTAATTAACCTACAGTCC	AGAAAGCCTGTGAATTTGAATGAGGAAAAAATTACATTTT	4260	
QY	TGTTTTTACCACTTCTA	ACTTAAATTTAAACATTTTATTCCTATTCGGAATAGAGCCATAAA	4320	
DB	TGTTTTTACCACTTCTA	ACTTAAATTTAAACATTTTATTCCTATTCGGAATAGAGCCATAAA	4320	
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DB	CTCAAGTGGTAAATAAC	GATACCTGTGATTTTGTTCATTAACAATAGAGAAATTCACAGAGATT	4380	
QY	TTATACTATATTTACAGT	TGTTGTGACAGATACGTTGTGAAGTGAATAATTTATATACTCAAAACTA	4440	
DB	TTATACTATATTTACAGT	TGTTGTGACAGATACGTTGTGAAGTGAATAATTTATATACTCAAAACTA	4440	
QY	CTTTGAAATTAAGACCT	CTCTGCTGGATCTTGTTTTTAAACATATTAATAAAACATGTTTAAA	4500	
DB	CTTTGAAATTAAGACCT	CTCTGCTGGATCTTGTTTTTAAACATATTAATAAAACATGTTTAAA	4500	
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DB	CTTGTTGTTCTGG	CTGGCTGTTATTTTTTCTCTGTCCTGCTACGTTCTTAAAGGACTTGTTT	4860	
QY	GGATCTC	CAGTTCATGACATAGTGCCTGGCACAGTGACAGGTTCTCAATGAGTTTGCAGAG	4920	
DB	GGATCTC	CAGTTCATGACATAGTGCCTGGCACAGTGACAGGTTCTCAATGAGTTTGCAGAG	4920	

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QY 1401 CGCAGCCCGGCTAATTTTGTATGTTAGTAGAGTGGGTTTCCACATATTAGCCCG 1460
DB 698 CTCATGCCAATTTAATTTTGTATGTTAGTAGAGTGGGTTTCCGCTATGTTGGCCAGG 757
QY 1461 CTGCTCTTGAACCTCTGACCTCAGGTGATCCACCACCTCAGCCCTCTAAAGTCTGGGA 1520
DB 758 CTGCTCTTGAACCTCTGACCTCAGGTGATCCACCACCTCAGCCCTCTAAAGTCTGGGA 817
QY 1521 TTACAGCATGAGTCACGCGCCCGCCGCAAGGTCAGTGTAA 1564
DB 818 TTACAGCATGAGTCACGCGCCCGCCGCAAGGTCAGTGTAA 861

RESULT 2

US-11-266-748A-224089/c
; Sequence 224089, Application US/11266748A
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Mulligan, Karl
; APPLICANT: Johnston, Patrick
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 224089
; LENGTH: 1000
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-11-266-748A-224089

Query Match 3.5%; Score 184.4; DB 11; Length 1000;
Best Local Similarity 81.0%; Pred. No. 6.7e-36;
Matches 230; Conservative 0; Mismatches 46; Indels 8; Gaps 1;

QY 1321 ACCTGAGCTCACTGCAACTCTGCTCCAGGTTCAAGCAATTTCTCTGTCTCAGCTCC 1380
DB 938 ATCTCAGCTCACTGCAACTCTGCTCCAGGTTCAAGGATTTCCCTGCTCAGCTCC 879
QY 1381 CGCGTAGCTGGGACTACAGGCG- - - - - CACGCGCGGCTAATTTTGTATTAGTA 1432
DB 878 CGAGCAGCTGGGACTACAGGCGCGCACACACGCGCGGCTAATTTTGTATTAGTA 819
QY 1433 GAGATGGGGTTTCCACATATTAGCCCGGCTGTGTAACCTCTGACCTCAGGTGATCCA 1492
DB 818 GAGATGGGGTTTCCACATATTAGCCCGGCTGTGTAACCTCTGACCTCAGGTGATCTG 759
QY 1493 CCCACCTCAGCTCTTAAAGTCTGGGATTACAGGATGAGTCACCGCGCCGCGCAAGG 1552
DB 758 CCCGCTCGGCTCTCCAAAGTGGTGGATTACAGGATGAGCCACCGCATCCGCGCCAGAT 699

QY 1553 GTCAGTGTTTAATAAGGATTAATGTAATGGTTTACTTAACCAA 1596
DB 698 TTCAGGTGCTTTTAAAAAGTAACTGAAATTTTATTTTACTTAA 655

RESULT 3

US-11-266-748A-26905/c
; Sequence 26905, Application US/11266748A
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 26905
; LENGTH: 1770
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-11-266-748A-26905

Query Match 3.5%; Score 184.4; DB 11; Length 1770;
Best Local Similarity 81.0%; Pred. No. 8.4e-36;
Matches 230; Conservative 0; Mismatches 46; Indels 8; Gaps 1;

QY 1321 ACCTGAGCTCACTGCAACTCTGCTCCAGGTTCAAGCAATTTCTCTGTCTCAGCTCC 1380
DB 1708 ATCTCAGCTCACTGCAACTCTGCTCCAGGTTCAAGGATTTCCCTGCTCAGCTCC 1649
QY 1381 CGCGTAGCTGGGACTACAGGCG- - - - - CACGCGCGGCTAATTTTGTATTAGTA 1432
DB 1648 CGAGCAGCTGGGACTACAGGCGCGCACACACGCGCGGCTAATTTTGTATTAGTA 1589
QY 1433 GAGATGGGGTTTCCACATATTAGCCCGGCTGTGTAACCTCTGACCTCAGGTGATCCA 1492
DB 1588 GAGATGGGGTTTCCACATATTAGCCCGGCTGTGTAACCTCTGAGGTGATCTG 1529
QY 1493 CCCACCTCAGCTCTTAAAGTCTGGGATTACAGGATGAGTCACCGCGCCGCGCAAGG 1552
DB 1528 CCCGCTCGGCTCTCCAAAGTGGTGGATTACAGGATGAGCCACCGCATCCGCGCCAGAT 1469
QY 1553 GTCAGTGTTTAATAAGGATTAATGTAATGGTTTACTTAACCAA 1596
DB 1468 TTCAGGTGCTTTTAAAAAGTAACTGAAATTTTATTTTACTTAA 1425

RESULT 4

US-11-266-748A-195297
; Sequence 195297, Application US/11266748A
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl

```

; TITLE OF INVENTION: Transcriptome Microarray Technology and
; TITLE OF INVENTION: Methods of Using the Same
; FILE REFERENCE: 55815-0102 (319189)
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 195297
; LENGTH: 1000
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-11-266-748A-195297

Query Match 3.5%; Score 184.2; DB 11; Length 1000;
Best Local Similarity 72.9%; Pred. No. 7.5e-36;
Matches 237; Conservative 0; Mismatches 88; Indels 0; Gaps 0;

QY 1280 AGGTGAGGGTCTGTGCTTACACCTACCTGATGCTCTACACCTGAGCTGAGCTGCAACC 1339
DB 58 AGAGCTTGTTCTGTCAACCAGGCTGGGGTACATGGCGGTATCTCAACTCAGCTGCAACC 117
QY 1340 TCTGCTCTCCAGGGTTCAAGCAATTTCTCTGTCTCAGCGTCCCGGCTAGCTGGGACTACAG 1399
DB 118 TGTGCTCTCCAGGGTTCAAGCGATTCTCACTCTCAGCGTTCCAAGTAGCTGGGACTACAG 177
QY 1400 GCGCACGCCCGGCTAAATTTTGTATTGTTAGTAGAGATGGGGTTTCACTATATTAGCCCG 1459
DB 178 GTGCACGCTGGCTAAATTTTGTATTTTGTATTTTGTAGTAGAGCGGAGTTTCCCACTGGGCAA 237
QY 1460 GCTGGTCTTGAACCTCTGAGCTCAGGTGATCCACCCAGCTCAGCTCTAAAGTGTCTGGG 1519
DB 238 GCTGGTTTGAACCTCTGAGCTCAAGTGATCCACCGCTCGGCTCTCCAAAGTGTGGG 297
QY 1520 ATTACAGGCATGAGTCACTCCGCGCCGCCAAGGGTCAAGTGTATTAAGGAATAACTTGA 1579
DB 298 ATTACAGGCATGAGCCTATGCACCCAGCCTCCCAAGTGTCTGGGCTTTAACAATGTATATGCCA 357
QY 1580 ATGTTTACTAAACCAACAGGGAAA 1604
DB 358 TGGATCCACACATGTAGCAACAAA 382

RESULT 5
US-10-868-184C-6721
; Sequence 6721, Application US/10868184C
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: F5805
; CURRENT APPLICATION NUMBER: US/10/868,184C
; PRIOR FILING DATE: 2004-06-16
; PRIOR APPLICATION NUMBER: 60/278,650
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/833,245
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US01/11988
; PRIOR FILING DATE: 2001-04-12

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; PRIOR APPLICATION NUMBER: PCT/US00/06042
 ; PRIOR FILING DATE: 2000-03-09
 ; PRIOR APPLICATION NUMBER: PCT/US00/06014
 ; PRIOR FILING DATE: 2000-03-09
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 13046
 ; SOFTWARE: Patent in Ver. 2.0
 ; SEQ ID NO 6721
 ; LENGTH: 17691
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-868-184C-6721

 Query Match 3.5%; Score 183.6; DB 7; Length 17691;
 Best Local Similarity 78.2%; Pred. No. 3.4e-35;
 Matches 233; Conservative 0; Mismatches 64; Indels 1; Gaps 1;

 QY 1283 GTGAGGCTCTGTCTTACACCTACCTGTATGCTCTACACCTGAGCTCACTGCAACCTCT 1342
 DB 14938 GTCTCGCTCTGTCTGCCAGGAGGAGTGCAATGCGATCTCAGCTCACTGCAACCTCT 14997

 QY 1343 GCCTCCAGGTTCAAGCAATCTCTCTCAGCCTCCCGGTAGCTGGGACTACAGCG 1402
 DB 14998 GCCTCCAGGTTCAAGCAATCTCTCTCAGCCTCCCGGTAGCTGGGACTACAGCG 15057

 QY 1403 CAGCCCGGCTAA-TTTTTGTATTGTAGTAGATGGGTTTCCACCATATTAGCCCGC 1461
 DB 15058 TGGCCCGGCTAA-TTTTTGTATTGTAGTAGATGGGTTTCCACCATATTAGCCCGC 15117

 QY 1462 TGGCTTGAACCTCTGACCTCAGGTGATCCACCACTCAGCCTCTAAAGTGTGGCAT 1521
 DB 15118 TGGCTTGAACCTCTGACCTCAGGTGATCCACCACTCAGCCTCTAAAGTGTGGCAT 15177

 QY 1522 TACAGGATGATGATCAGCGCGCCGCAAGGTCAGTGTATTAAGGAATAAATCTCA 1579
 DB 15178 TATAGGATGATGATCAGCGCGCCGCAAGGTCAGTGTATTAAGGATGACTTCCAAG 15235

RESULT 7
 US-11-266-748A-212844
 ; Sequence 212844, Application US/11266748A
 ; GENERAL INFORMATION:
 ; APPLICANT: Harkin, Paul
 ; APPLICANT: Mulligan, Karl
 ; TITLE OF INVENTION: Transcriptome Microarray Technology and
 ; FILE REFERENCE: 55815-0102 (319189)
 ; CURRENT APPLICATION NUMBER: US/11/266,748A
 ; PRIOR FILING DATE: 2005-11-03
 ; PRIOR APPLICATION NUMBER: EP 04105479.2
 ; PRIOR FILING DATE: 2004-11-03
 ; PRIOR APPLICATION NUMBER: EP 04105482.6
 ; PRIOR FILING DATE: 2004-11-03
 ; PRIOR APPLICATION NUMBER: EP 04105483.4
 ; PRIOR FILING DATE: 2004-11-03
 ; PRIOR APPLICATION NUMBER: EP 04105507.0
 ; PRIOR FILING DATE: 2004-11-03
 ; PRIOR APPLICATION NUMBER: EP 04105485.9
 ; PRIOR FILING DATE: 2004-11-03
 ; PRIOR APPLICATION NUMBER: EP 04105484.2
 ; PRIOR FILING DATE: 2004-11-03
 ; PRIOR APPLICATION NUMBER: US 60/662,276
 ; PRIOR FILING DATE: 2005-03-14
 ; PRIOR APPLICATION NUMBER: US 60/700,293
 ; PRIOR FILING DATE: 2005-07-18
 ; NUMBER OF SEQ ID NOS: 483996
 ; SOFTWARE: Patent in version 3.3
 ; SEQ ID NO 212844
 ; LENGTH: 515
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-11-266-748A-212844

Query Match 3.5%; Score 182.4; DB 11; Length 515;
 Best Local Similarity 86.4%; Pred. No. 1.6e-35;
 Matches 216; Conservative 0; Mismatches 26; Indels 8; Gaps 1;

 QY 1321 ACCTGAGCTCACTGCAACCTCTGCTCCAGGTTCAAGCAATTTCTCTGTCTCAGCCTCC 1380
 DB 46 ATCTCAGCTCACTGCAACCTCTGCTCCAGGTTCAAGCAATTTCTCTGTCTCAGCCTCC 105

 QY 1381 CGCGTAGCTGGGACTACAGCG-----CAGCCCGGCTAAATTTTGTATTGTAGTA 1432
 DB 106 CAAGTAGCTGGGATTACAGCGGCACACCAACCGCCGGCTAAATTTTGTATTGTAGTA 165

 QY 1433 GAGATGGGTTTACCATATTAGCCCGGCTGCTTGAACCTCTGACCTCAGCTGATCCA 1492
 DB 166 GAGATGGGTTTACCATATTAGCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 225

 QY 1493 CCACCTCAGCCTCTCTAAAGTGTCTGGGATTTACAGGATGAGTCAACCGCGCCGCAAGG 1552
 DB 226 CCACCTCAGCCTCTCTAAAGTGTCTGGGATTTACAGGATGAGTCAACCGCGCTGCTGCT 285

 QY 1553 GTCAGTGTAT 1562
 DB 286 TTTGTATT 295

RESULT 8
 US-11-266-748A-236144/c
 ; Sequence 236144, Application US/11266748A
 ; GENERAL INFORMATION:
 ; APPLICANT: Harkin, Paul
 ; APPLICANT: Johnston, Patrick
 ; APPLICANT: Mulligan, Karl
 ; TITLE OF INVENTION: Transcriptome Microarray Technology and
 ; FILE REFERENCE: 55815-0102 (319189)
 ; CURRENT APPLICATION NUMBER: US/11/266,748A
 ; CURRENT FILING DATE: 2005-11-03
 ; PRIOR APPLICATION NUMBER: EP 04105479.2
 ; PRIOR FILING DATE: 2004-11-03
 ; PRIOR APPLICATION NUMBER: EP 04105482.6
 ; PRIOR FILING DATE: 2004-11-03
 ; PRIOR APPLICATION NUMBER: EP 04105483.4
 ; PRIOR FILING DATE: 2004-11-03
 ; PRIOR APPLICATION NUMBER: EP 04105507.0
 ; PRIOR FILING DATE: 2004-11-03
 ; PRIOR APPLICATION NUMBER: EP 04105485.9
 ; PRIOR FILING DATE: 2004-11-03
 ; PRIOR APPLICATION NUMBER: EP 04105484.2
 ; PRIOR FILING DATE: 2004-11-03
 ; PRIOR APPLICATION NUMBER: US 60/662,276
 ; PRIOR FILING DATE: 2005-03-14
 ; PRIOR APPLICATION NUMBER: US 60/700,293
 ; PRIOR FILING DATE: 2005-07-18
 ; NUMBER OF SEQ ID NOS: 483996
 ; SOFTWARE: Patent in version 3.3
 ; SEQ ID NO 236144
 ; LENGTH: 515
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-11-266-748A-236144

Query Match 3.5%; Score 182.4; DB 11; Length 515;
 Best Local Similarity 86.4%; Pred. No. 1.6e-35;
 Matches 216; Conservative 0; Mismatches 26; Indels 8; Gaps 1;

 QY 1321 ACCTGAGCTCACTGCAACCTCTGCTCCAGGTTCAAGCAATTTCTCTGTCTCAGCCTCC 1380
 DB 470 ATCTCAGCTCACTGCAACCTCTGCTCCAGGTTCAAGCAATTTCTCTGTCTCAGCCTCC 411

 QY 1381 CGCGTAGCTGGGACTACAGCG-----CAGCCCGGCTAAATTTTGTATTGTAGTA 1432
 DB 410 CAAGTAGCTGGGATTACAGCGGCACACCAACCGCCGGCTAAATTTTGTATTGTAGTA 351

QY 1433 GAGATGGGTTTACCATATTAGCCCGCTGGTCTTGAATCTCTGACCTCAGTGTATCCA 1492
Db |||||
350 GAGATGGGTTTACCATATTAGCCCGCTGGTCTTGAATCTCTGACCTCAGTGTATCCA 291
QY 1493 CCACCTCAGCTCTTAAGTGTCTGGGATACAGGCATCAGTACCGCCCGGCAAGG 1552
Db |||||
290 CCACCTCAGCTCTTAAGTGTCTGGGATACAGGCATCAGTACCGCCCGGCAAGG 231
QY 1553 GTCAAGTGT 1562
Db |||||
230 TTTTGTATTT 221

RESULT 9
US-11-266-748A-61740
; Sequence 61740, Application US/11266748A
; GENERAL INFORMATION:
; APPLICANT: Harkin, Paul
; APPLICANT: Johnston, Patrick
; APPLICANT: Mulligan, Karl
; TITLE OF INVENTION: Transcriptome Microarray Technology and
; FILE REFERENCE: Methods of Using the Same
; CURRENT APPLICATION NUMBER: US/11/266,748A
; CURRENT FILING DATE: 2005-11-03
; PRIOR APPLICATION NUMBER: EP 04105479.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105482.6
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105483.4
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105507.0
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105485.9
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: EP 04105484.2
; PRIOR FILING DATE: 2004-11-03
; PRIOR APPLICATION NUMBER: US 60/662,276
; PRIOR FILING DATE: 2005-03-14
; PRIOR APPLICATION NUMBER: US 60/700,293
; PRIOR FILING DATE: 2005-07-18
; NUMBER OF SEQ ID NOS: 483996
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 61740
; LENGTH: 101500
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-11-266-748A-61740

Query Match 3.4%; Score 180.8; DB 11; Length 101500;
Best Local Similarity 79.0%; Pred. No. 3.4e-34;
Matches 215; Conservative 0; Mismatches 57; Indels 0; Gaps 0;
QY 1281 GGGTCAGGCTGTCTTTACACCTACCTGTATGCTTACACCTCAGCTCAGCTCAACCT 1340
Db GAGTCTCGCTCTGTTGCCAGCTAGAGTGCATGCGACGATCTTGGCTCATTGCACT 76100
QY 1341 CTGCTCCAGGTTCAAGCAATTCCTGTCTCAGCCTCCCGGTAGCTGGGACTACAGG 1400
Db CGGCTCCAGGTTCAAGCAATTCCTGTCTCAGCCTCCCGGTAGCTGGGACTACAGG 76160
QY 1401 CGCAGCCCGGCTAATTTTGTATTGTAGTAGATGGGTTTACCATATTAGCCCGG 1460
Db CATGACCCCGGCTAATTTTGTATTGTAGTAGAGACAGATTTTACCATATTGGCCAGG 76220
QY 1461 CTGCTCTTGAATCTCTGACCTCAGGTGATCCACCCACCTCAGCTCTTAAAGTGTGGA 1520
Db CTGCTCTGAACTCTCTGACCTCAGGTGATCCACCCACCTCAGCTCTTAAAGTGTGGA 76280
QY 1521 TTACAGGATCAGTACCGCCCGGCAAGG 1552
Db TTACAGGCTGAGGCACTGTGCCCGGCCAAG 76312

RESULT 10
US-11-214-063A-1285
; Sequence 1285, Application US/11214063A
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: 084335/166
; CURRENT APPLICATION NUMBER: US/11/214,063A
; CURRENT FILING DATE: 2005-08-30
; PRIOR APPLICATION NUMBER: US/10/292,798
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: 10/017,161
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: JP 2001-246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2070
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1285
; LENGTH: 39729
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; LOCATION: source
; FEATURE:
; LOCATION: (1) .. (39729)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (201) .. (409)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1705) .. (1966)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (3861) .. (4281)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (6128) .. (6513)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (13450) .. (13658)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15064) .. (15254)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15941) .. (16150)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (20045) .. (20170)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (22124) .. (22422)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (22512) .. (22683)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (23437) .. (23604)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (24073) .. (24309)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (27352) .. (27646)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (28263) .. (28408)
; FEATURE:

Db 1481 GCTCGCTCAACCCAGGCTGGAGTGTAGTGGCGGATCTCAGCTCACTGCAACCTCTGCTC 1540
Qy 1348 CCAGGTTCAAGCAATCTCTGTCTCAGCTCCCGGTAGCTGGGACTACAGCGCACGC 1407
Db 1541 CTGGGTTCAACAATCTCTGTCTCAGCTCCCGGTAGCTGGGACTACAGCGTGTAC 1600
Qy 1408 CCGGCTAAATTTTGTATTTAGTAGAGATGGGGTTTCAACATATTAGCCCGCTGGTCT 1467
Db 1601 CCGGCTAAATTTTGTATTTAGTAGAGATGGGGTTTCAACATATTAGCCCGCTGGTCT 1660
Qy 1468 TGAACCTCTGACCTCAGGTGATCCACCCAGCTCAGCTCTCTAAAGTGTGGGATTACAGG 1527
Db 1661 TGAACCTCTGACCTCAGGTGATCCACCCAGCTCAGCTCTCTAAAGTGTGGGATTACAGG 1720
Qy 1528 CATGAGTCAACCGCGCCGCCAAGGTCAGTGTGTTAA 1564
Db 1721 CATGAGCACTGCACACAGACCCCACTCAGTTTCTGA 1757

RESULT 12

US-10-868-184C-6360/c
; Sequence 6360, Application US/10868184C
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS805
; CURRENT APPLICATION NUMBER: US/10/868,184C
; PRIOR FILING DATE: 2004-06-16
; PRIOR APPLICATION NUMBER: 60/278,650
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/833,245
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US01/11988
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US00/06043
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06012
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06058
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06044
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06059
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06042
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06014
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13046
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6360
; LENGTH: 6708
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-868-184C-6360

Query Match 3.4%; Score 179.2; DB 6; Length 6708;
Best Local Similarity 77.9%; Pred. No. 2.9e-34;
Matches 232; Conservative 0; Mismatches 58; Indels 8; Gaps 1;
Qy 1290 TCTGTGCTTACACCTACCTCTATGCTCTACACCTGAGCTCACTGCAACCTCTGCTCCC 1349
Db 3909 TCTGTCTCTCAGGCTGGAGTACAGTGGGCACAACTCTCAGCTCACTGCAACCTCTGCTCCC 3850
Qy 1350 AGGTTCAAGCAATTTCTCTGTCTCAGCTCCCGGTAGCTGGGACTACAGCGC----- 1402
Db 3849 AGGTTCAAGTAAATTTCTCTGTCTCAGCTCCCGGTAGCTGGGACTACAGCGTGTAC 3790
Qy 1403 -CAGCCCGGCTAAATTTTGTATTTAGTAGAGATGGGGTTTCAACATATTAGCCCGGC 1461
Db 3789 CCACATAGGCTAAATTTTGTATTTAGTAGAGATGGGGTTTCAACATATTAGCCCGGC 3730
Qy 1462 TGGTCTTGAATCTCTGACCTCAGGTGATCCACCCAGCTCAGCTCTCTAAAGTGTGGAT 1521
Db 3729 TGGTCTTGAATCTCTGACCTCAGGTGATCCCGCTCGCTCTCAAAAGTGTGGAT 3670
Qy 1522 TACAGGATGAGTCAACCGCGCCGCCAAGGTCAGTGTGTTAAAGGAATAACTTCA 1579
Db 3669 TACAGGATGAGCTAATTTTGTATTTAGTAGAGATGGGGTTTGGCCATGTAGCCAGGC 3730

Qy 1462 TGGTCTTGAATCTCTGACCTCAGGTGATCCACCCAGCTCAGCTCTCTAAAGTGTGGAT 1521
Db 3729 TGGTCTTGAATCTCTGACCTCAGGTGATCCCGCTCGCTCTCAAAAGTGTGGAT 3670
Qy 1522 TACAGGATGAGTCAACCGCGCCGCCAAGGTCAGTGTGTTAAAGGAATAACTTGA 1579
Db 3669 TACAGGATGAGCTAATTTTGTATTTAGTAGAGATGGGGTTTCAAAAGTGTGGAT 3612

RESULT 13

US-10-868-184C-11267/c
; Sequence 11267, Application US/10868184C
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS805
; CURRENT APPLICATION NUMBER: US/10/868,184C
; PRIOR FILING DATE: 2004-06-16
; PRIOR APPLICATION NUMBER: 60/278,650
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/833,245
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US01/11988
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US00/06043
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06012
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06058
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06044
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06059
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06042
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06014
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13046
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11267
; LENGTH: 6708
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-868-184C-11267

Query Match 3.4%; Score 179.2; DB 6; Length 6708;
Best Local Similarity 77.9%; Pred. No. 2.9e-34;
Matches 232; Conservative 0; Mismatches 58; Indels 8; Gaps 1;
Qy 1290 TCTGTGCTTACACCTACCTCTATGCTCTACACCTGAGCTCACTGCAACCTCTGCTCCC 1349
Db 3909 TCTGTCTCTCAGGCTGGAGTACAGTGGGCACAACTCTCAGCTCACTGCAACCTCTGCTCCC 3850
Qy 1350 AGGTTCAAGCAATTTCTCTGTCTCAGCTCCCGGTAGCTGGGACTACAGCGC----- 1402
Db 3849 AGGTTCAAGTAAATTTCTCTGTCTCAGCTCCCGGTAGCTGGGACTACAGGTGCTCCACA 3790
Qy 1403 -CAGCCCGGCTAAATTTTGTATTTAGTAGAGATGGGGTTTCAACATATTAGCCCGGC 1461
Db 3789 CCACATAGGCTAAATTTTGTATTTAGTAGAGATGGGGTTTGGCCATGTAGCCAGGC 3730
Qy 1462 TGGTCTTGAATCTCTGACCTCAGGTGATCCACCCAGCTCAGCTCTCTAAAGTGTGGAT 1521
Db 3729 TGGTCTTGAATCTCTGACCTCAGGTGATCCCGCTCGCTCTCAAAAGTGTGGAT 3670
Qy 1522 TACAGGATGAGTCAACCGCGCCGCCAAGGTCAGTGTGTTAAAGGAATAACTTCA 1579
Db 3669 TACAGGATGAGCTAATTTTGTATTTAGTAGAGATGGGGTTTGGCCATGTAGCCAGGC 3612

RESULT 14

US-10-868-184C-6360/c
; Sequence 6360, Application US/10868184C
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS805
; CURRENT APPLICATION NUMBER: US/10/868,184C
; CURRENT FILING DATE: 2004-06-16
; PRIOR APPLICATION NUMBER: 60/278,650
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: 09/833,245
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US01/11988
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: PCT/US00/06043
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06012
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06058
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06044
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06059
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06042
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06014
; PRIOR FILING DATE: 2000-03-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13046
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6360
; LENGTH: 6708
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-868-184C-6360

Query Match 3.4%; Score 179.2; DB 7; Length 6708;
Best Local Similarity 77.9%; Pred. No. 2.9e-34;
Matches 232; Conservative 0; Mismatches 58; Indels 8; Gaps 1;

Qy 1290 TCTGTGCTTACACCTACCTGATGCTCTACACCTGAGCTGCTGCAACCTCTGCTCC 1349
Db 3909 TCTGTCTCTCAGGCTGGAGTACAGTGGCAATCTCAGCTCAGTGCACCTCTGCTCC 3850

Qy 1350 AGGTTCAAGCAATTCCTGCTCAGCCTCCCGCTAGCTGGGACTACAGGCG 1402
Db 3849 AGGTTCAAGTAAATTCCTGCTCAGCCTCCCGAGTAGCGGGATTACAGTGCCCAACA 3790

Qy 1403 -CAGCCCGGCTAAATTTTGTATTGTTAGTAGAGATGGGTTTCCACCATATTAGCTGGGAT 1521
Db 3789 CCACACATGGCTAAATTTTGTATTGTTAGTAGAGATGGGTTTCCACCATATTAGCTGGGAT 3670

Qy 1462 TGGTCTTGAATCTCTGACCTCAGCTGATCCACCCACCTCAGCTCCTTAAGTGTGGGAT 1521
Db 3729 TGGTCTTGAATCTCTGACCTCAGCTGATCCACCCACCTCAGCTCCTTAAGTGTGGGAT 3670

Qy 1522 TACAGGCATGATGATCAGCGCCCGCCAGGCTCAGTGTGTTAATAAGGAATAACTTGA 1579
Db 3669 TACAGGCATGATGATCAGCGCCCGCCAGGCTCAGTGTGTTAATAAGGAATAACTTGA 3612

RESULT 15
US-10-868-184C-11267/c
; Sequence 11267, Application US/10868184C
; GENERAL INFORMATION:
; APPLICANT: Rosen, et. al
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS805
; CURRENT APPLICATION NUMBER: US/10/868,184C
; CURRENT FILING DATE: 2004-06-16
; PRIOR APPLICATION NUMBER: 60/278,650
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; PRIOR APPLICATION NUMBER: PCT/US00/06044
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06059
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06042
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: PCT/US00/06014
; PRIOR FILING DATE: 2000-03-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13046
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11267
; LENGTH: 6708
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-868-184C-11267

Query Match 3.4%; Score 179.2; DB 7; Length 6708;
Best Local Similarity 77.9%; Pred. No. 2.9e-34;
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Qy 1290 TCTGTGCTTACACCTACCTGATGCTCTACACCTGAGCTGCTGCAACCTCTGCTCC 1349
Db 3909 TCTGTCTCTCAGGCTGGAGTACAGTGGCAATCTCAGCTCAGTGCACCTCTGCTCC 3850

Qy 1350 AGGTTCAAGCAATTCCTGCTCAGCCTCCCGCTAGCTGGGACTACAGGCG 1402
Db 3849 AGGTTCAAGTAAATTCCTGCTCAGCCTCCCGAGTAGCGGGATTACAGTGCCCAACA 3790

Qy 1403 -CAGCCCGGCTAAATTTTGTATTGTTAGTAGAGATGGGTTTCCACCATATTAGCTGGGAT 1461
Db 3789 CCACACATGGCTAAATTTTGTATTGTTAGTAGAGATGGGTTTCCACCATATTAGCTGGGAT 3730

Qy 1462 TGGTCTTGAATCTCTGACCTCAGCTGATCCACCCACCTCAGCTCCTTAAGTGTGGGAT 1521
Db 3729 TGGTCTTGAATCTCTGACCTCAGCTGATCCACCCACCTCAGCTCCTTAAGTGTGGGAT 3670

Qy 1522 TACAGGCATGATGATCAGCGCCCGCCAGGCTCAGTGTGTTAATAAGGAATAACTTGA 1579
Db 3669 TACAGGCATGATGATCAGCGCCCGCCAGGCTCAGTGTGTTAATAAGGAATAACTTGA 3612

Search completed: January 26, 2006, 09:25:03
Job time : 762 secs